# 阿蘇に於ける第二回國際極地觀測期間中の地磁氣觀測 : 地磁氣要素の時値

# 阿蘇に於ける第二回國際極地觀測期間中の地磁氣觀測—地磁氣要素の時値

## 阿蘇火山研究所に於ける地磁氣觀測

阿蘇火山研究所に於いてはその設立以來，創設者故志田順博士によりて火山地帶に於ける地磁氣測量及び觀測が計畫されてゐた。觀測には Mascart の變化計を用ひるやうに準備されてゐたのであるが，偶ゝ昭和七年(1932)より同八年にかけての第二回國際極地觀測に參加することになつて，當時あつた觀測器械を修理或は改造して阿蘇山の中腹に觀測室を設備して常時觀測を行ふことになつた。これらの器械の改造及び設備等は凡て志田博士監督の下に長谷川萬吉，佐々憲三兩氏を主として，安田幾之助，田村雄一，西村英一氏等の教室員が分擔して之れに當つた。現地に於ける觀測は專ら西村英一氏によつて行はれ林一，大島英也兩氏等が補佐した。猶ほ結果の整理に關しては太田柾次郎氏に負ふところが尠からず，又南葉宗利氏は全期間を通じて現地に於いて種々の斡旋の勞をとつた。

この觀測は極地觀測期間後も引續き繼續されたのであるが，經費の關係で昭和十三年以降は一時休止して目下火山研究所構內に新たに觀測室を整備し再び繼續するために準備中である。茲には極地觀測期間(昭和七年八月より昭和八年八月迄)の時値のみを報告する。

## 地磁氣觀測所の位置

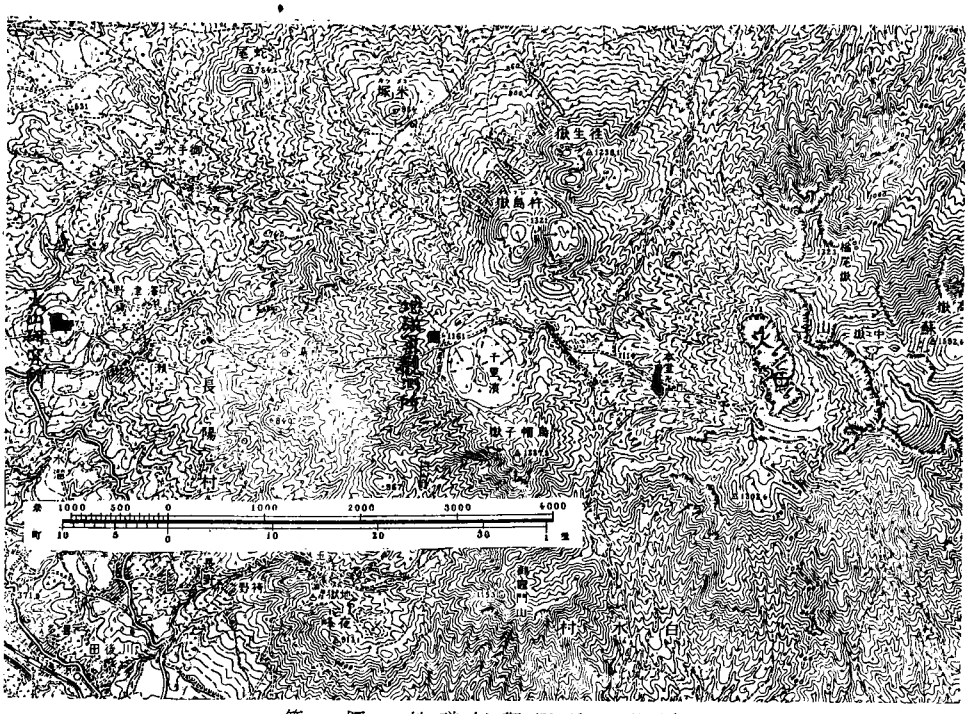
第一圖に示す如く阿蘇中岳と火山研究所との中間點海拔約1100米の所(千里ケ濱附近)にあり，地理的及び磁氣的緯度，經度は夫々次の通りである。

$\varphi = 32^\circ 52'$ N $\lambda = 131^\circ 03'$ E

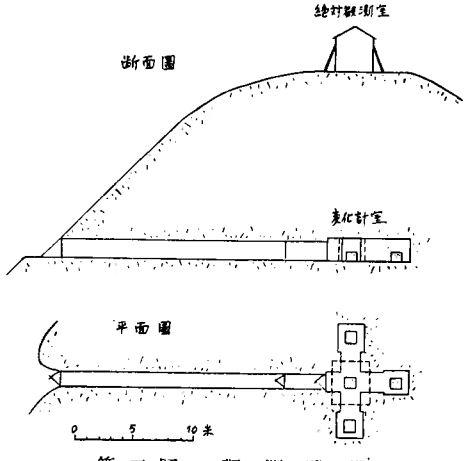
$\Phi = 22^\circ.0$ N $\Lambda = 163^\circ.2$ E.

## 觀　測　設　備

絕對觀測室は尾根の頂にありて南北4米，東西3米の木造である。變化計室は第二圖に示す如く絕對觀測室の直下16米の地中にあつて尾根の側面より長さ25米の坑道によつて外




第一圖　地磁氣觀測所の位置




第二圖　觀測設備

部に通じてゐる。

## 觀　測　器　械

絶對觀測器械：田中館式を一部改造したもの。

偏角(D)變化計：磁針は直徑1.6粍，長さ40粍の K. S. 鋼，磁氣能率は約45 C. G. S. で

ある。可動鏡及び磁針をかける鉤は共に熔融水晶から成り，水晶細線と熔融して固着せしめてある。

水平分力(H)變化計：構造は偏角變化計と同様であるが吊線は直徑約 45μ の單線である。偏向磁石は使用せず。

鉛直分力(Z)變化計：田中館博士の改良した Watson 型のもの。

記錄用時計仕掛：遲廻しでは24時間に，早廻しでは3時間に一廻轉する。平常は遲廻しとし毎月の國際日には早廻しとした。

## 變化計室内の溫度

昭和七年(1932)八月初めより翌年八月末迄の期間の變化計室内の溫度は第一表に示す通りであつて日變化は認められなかつた。

Table I. Monthly mean temperature in the variometer room.

| Year | 1932 | | | | | 1933 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| Temp. (°C) | 15.1 | 14.5 | 13.8 | 13.7 | 13.5 | 13.4 | 13.2 | 13.1 | 13.1 | 13.2 | 13.3 | 13.6 | 14.0 |

## 地磁氣變化記錄の寸値及び基線値

D-變化計の寸値は可動鏡と記錄紙との距離から計算され，0′.428/粍であつた。H-變化計及びZ-變化計の寸値は三變化計に夫々附着してゐる全く等しい Helmholtz コイルに共通の電流を送つて記錄紙毎に感度の測定を行つて求めた。

觀測所は附近に障碍を與へるやうな電氣施設は全くないけれども，海拔1100米の高所にあるから强風及び冬期の極寒の爲め正確なる觀測結果を期待し難い場合があつたが，かゝる場合を除いては出來る限り屢々絶對觀測を行つた。基線値はこれらの絶對觀測値と記錄とを比較してその平均値を以つてした。

採用した基線値及び寸値は第二表に掲げた。

各分力の時値を第3表——第41表，磁氣特性數を第42表，數値特性數 $n$, $n_H$, $n_Z$ を夫々第43表，第44表，第45表に掲げた。茲に

$$n=\frac{R_H H+H_Z Z}{10000},\quad n_H=\frac{R_H H}{10000},\quad n_Z=\frac{R_Z Z}{10000}.$$

表中の時間は凡てグリニツチ時である。

注意：絶對觀測については前述のやうな障碍があるほか，觀測器械に附屬の棒磁石，支持器に關する常數は大正二年(1913)に水路部決定のものをその儘用ひた。かやうな點から見て觀測された絶對値そのものは決して充分とは云ひ難いのであるが，當地のやうに火山岩の集積地帶に於いては距離による地磁氣の値の變化が複雑であつて，一點に於ける絶對値を正確に決定すると云ふことの重要性は餘り大きいとは考へられない。この器械の國際標準器との比較を未だ行つてゐないのはその爲めである。從つて觀測の結果は一種の相對的の値を示すものと見なければならない。これに反して表に示される日變化については變化計室の溫度の日變化も殆んどなく，充分信賴されてよいのである。

Table 2. Adopted base-line values and scale values.

| Declination | | | Horizontal intensity | | | Vertical intensity | | |
|---|---|---|---|---|---|---|---|---|
| Duration | | Base-line value | Duration | Base-line value | Scale value | Duration | Base-line value | Scale value |
| 1932 Aug. 1 0h～Oct. 21 18h | | 4°04.5 | 1932 Aug. 1 0h～Aug. 28 0h | γ 31883 | γ 2.46 | 1932 Aug. 1 0h～Oct. 21 8h | γ 34041 | γ 2.99 |
| Oct. 21 19～Nov. 2 18 | | 36.0 | Aug. 29 0～Oct. 21 23 | 31868 | 2.46 | Oct. 21 9～Jan. 14 2 | 34041 | 2.97 |
| Nov. 2 19～Nov. 3 11 | | 43.0 | Oct. 22 0～Jan. 14 2 | 31868 | 2.44 | 1933 Jan. 14 3～Feb. 7 1 | 34038 | 2.97 |
| Nov. 4 2～Nov. 7 1 | | 14.6 | 1933 Jan. 14 3～Feb. 13 13 | 31875 | 2.44 | Feb. 7 2～May 5 12 | 34039 | 2.97 |
| Nov. 7 2～Jan. 14 2 | | 03.5 | Feb. 13 14～Feb. 23 22 | 31878 | 2.44 | May 6 6～Aug. 31 23 | 34045 | 3.01 |
| 1933 Jan. 14 3～Feb. 7 6 | | 03.7 | Feb. 26 6～Mar. 21 23 | 31884 | 2.44 | | | |
| Feb. 8 9～Feb. 10 19 | | 03.9 | Mar. 22 0～Mar. 25 12 | 31901 | 2.44 | | | |
| Feb. 10 20～Feb. 13 13 | | 04.0 | Mar. 25 13～May 5 23 | 31905 | 2.44 | | | |
| Feb. 13 14～Mar. 21 23 | | 03.9 | May 6 0～Aug. 31 23 | 31904 | 2.47 | | | |
| Mar. 22 0～May 5 12 | | 03.6 | | | | | | |
| May 5 13～Aug. 31 23 | | 04.2 | | | | | | |

Table 3 Declination* (West) 8°00'0+.....' August 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 46.5 | 48.5 | 50.9 | 52.4 | 52.7 | 52.0 | 51.4 | 50.4 | 49.7 | 49.3 | 49.9 | 50.0 | 50.0 | 49.8 | 49.4 | 49.6 | 49.7 | 49.3 | 48.1 | 48.3 | 48.5 | 47.8 | 47.6 | 47.5 | 49.55 | 52.7 | 45.7 | 7.0 |
| 2 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5 | — | — | — | — | 49.9 | 49.1 | 48.7 | 47.9 | 49.4 | 50.1 | 49.9 | 49.7 | 49.4 | 49.3 | 49.3 | 48.9 | 49.3 | 48.5 | 47.6 | 46.9 | 47.4 | (47.4) | (47.0) | (47.4) | — | 50.6 | 46.4 | 4.2 |
| 6 | 48.2 | 50.6 | 51.8 | 51.8 | 51.6 | 51.3 | 50.5 | 50.0 | 49.3 | 49.3 | 49.6 | 49.7 | 49.5 | 49.5 | 49.4 | 49.4 | 49.1 | 48.9 | 48.9 | 48.8 | 48.6 | 47.2 | 47.0 | 47.4 | 49.47 | 51.9 | 46.6 | 5.3 |
| 7 | 48.5 | (49.5) | 50.4 | 51.4 | 51.9 | 51.9 | 51.0 | 50.7 | 49.9 | 49.7 | 49.6 | 49.5 | 49.3 | 49.6 | 49.3 | 49.3 | 49.3 | 49.0 | 48.9 | 49.0 | 48.9 | 47.9 | 46.3 | 46.3 | 49.46 | 52.1 | 45.8 | 6.3 |
| 8 | 46.5 | 48.0 | 50.2 | 51.3 | 51.9 | 52.2 | 51.8 | 51.1 | 50.3 | 49.8 | 49.7 | 49.7 | 49.4 | 49.3 | 49.5 | 49.5 | 49.3 | 49.4 | 49.2 | 49.3 | 49.3 | 48.2 | 47.2 | 46.7 | 49.53 | 52.3 | 46.5 | 5.8 |
| 9 | 47.0 | 48.4 | 49.6 | 50.1 | 51.0 | 51.8 | 51.8 | 51.3 | 50.3 | 49.8 | 49.9 | 49.8 | 49.7 | 49.9 | 49.7 | 49.6 | 49.7 | 49.5 | 49.4 | 49.4 | 49.4 | 48.3 | 46.8 | 46.3 | 49.50 | 52.0 | 46.3 | 5.7 |
| 10 c | 47.4 | 50.0 | 51.3 | 52.5 | 52.8 | 52.2 | 51.4 | 50.2 | 49.1 | (48.9) | 49.2 | 49.4 | 49.3 | 49.3 | 49.5 | 49.5 | 49.2 | 49.0 | 49.1 | 48.9 | 48.7 | 48.0 | (47.1) | 45.8 | 49.49 | 52.9 | 45.3 | 7.6 |
| 11 | 46.2 | 45.4 | 51.4 | 52.6 | 52.9 | 52.0 | 51.1 | 50.6 | 49.7 | 49.4 | 49.4 | 49.4 | 49.3 | 49.3 | 49.5 | 49.4 | 49.2 | 48.7 | 48.4 | 48.1 | 47.9 | 47.0 | 46.2 | 45.6 | 49.11 | 52.9 | 45.3 | 7.6 |
| 12 | (48.2) | 50.5 | 52.1 | 52.3 | 53.2 | 52.8 | 51.7 | 50.4 | 49.9 | 49.7 | 49.7 | 50.1 | 50.1 | 49.4 | 49.1 | 48.9 | 48.7 | 48.8 | 48.5 | 48.4 | 48.1 | 47.1 | 46.5 | (47.4) | 49.65 | 53.6 | 46.2 | 7.4 |
| 13 | (48.2) | 49.4 | 51.1 | 52.8 | 53.6 | 53.2 | 52.3 | 51.8 | 50.8 | 49.3 | 49.7 | 49.8 | 49.6 | 50.0 | 49.2 | 48.8 | 49.1 | 48.8 | 48.6 | 48.2 | 48.2 | 47.6 | 46.2 | 46.2 | 49.69 | 53.7 | 46.0 | 7.7 |
| 14 | 46.7 | 48.1 | 50.8 | 52.4 | 52.8 | 52.9 | 52.1 | 50.6 | 49.7 | 49.4 | 48.8 | 49.4 | 49.8 | 49.7 | 48.9 | 49.3 | 49.1 | 48.9 | 48.7 | 48.7 | 48.4 | 48.0 | 47.2 | 47.2 | 49.48 | 52.9 | 46.7 | 6.2 |
| 15 | 47.6 | 48.9 | 51.1 | 52.7 | 53.0 | 52.6 | 51.6 | 50.6 | 49.6 | 49.3 | 49.6 | 49.7 | 49.5 | 49.3 | 49.3 | 49.6 | 49.3 | 49.2 | 48.9 | 48.8 | 48.5 | 47.6 | 45.9 | 46.3 | 49.52 | 53.0 | 45.9 | 7.1 |
| 16 c | 47.5 | 50.7 | 52.7 | 53.4 | 54.1 | 53.5 | 52.1 | 50.5 | 49.3 | 48.9 | 49.3 | 49.5 | 49.5 | 49.4 | 49.3 | 49.3 | 49.3 | 49.1 | 49.2 | 48.9 | 48.8 | 47.8 | 46.3 | 46.4 | 49.78 | 54.2 | 46.0 | 8.2 |
| 17 c | 48.0 | 50.8 | 52.9 | 53.7 | 53.4 | 51.9 | 50.4 | 49.1 | 48.9 | 48.8 | 49.4 | 49.6 | 49.7 | 49.5 | 49.4 | 49.3 | 48.8 | 48.6 | 48.3 | 48.7 | 48.4 | 48.2 | 46.9 | 46.7 | 49.56 | 53.8 | 46.4 | 7.4 |
| 18 c | 47.7 | 49.3 | 51.0 | 52.0 | 52.4 | 52.8 | 52.3 | 51.0 | 49.7 | 48.7 | 48.8 | 49.3 | 49.3 | 49.3 | 49.3 | 49.1 | 48.9 | 48.9 | 48.8 | 48.8 | 48.6 | 47.8 | 45.9 | 45.8 | 49.40 | 52.9 | 45.4 | 7.5 |
| 19 c | 47.4 | 50.4 | 52.5 | 53.6 | 53.6 | 52.8 | 52.1 | 50.6 | 49.9 | 48.5 | 49.0 | 49.3 | 49.5 | 49.4 | 49.4 | 49.0 | 49.3 | 48.7 | 48.7 | 48.5 | 48.4 | 47.5 | 46.3 | 44.6 | 49.54 | 53.9 | 44.5 | 9.4 |
| 20 | 45.1 | 46.7 | 49.9 | 52.7 | 54.1 | 53.5 | 52.7 | 51.1 | 49.6 | 48.9 | 49.4 | 49.8 | 49.6 | 49.5 | 49.3 | 49.1 | 48.9 | 48.6 | 48.5 | 48.4 | 48.1 | 47.2 | 46.0 | 44.9 | 49.28 | 54.1 | 44.9 | 9.2 |
| 21 | 45.9 | 48.1 | 49.9 | 52.0 | 53.2 | 53.3 | 52.8 | 51.5 | 49.6 | 48.8 | 49.4 | 49.6 | 49.6 | 48.4 | 49.0 | 49.8 | 49.1 | 49.0 | 48.9 | 47.9 | 48.1 | 47.4 | 46.2 | 46.0 | 49.31 | 53.5 | 45.7 | 7.8 |
| 22 | 46.7 | 49.1 | 51.4 | 53.8 | 54.1 | 53.4 | 52.4 | 51.1 | 50.4 | 49.4 | 49.6 | 49.4 | 48.9 | 49.4 | 49.4 | 48.8 | 49.2 | 48.8 | 49.1 | 50.1 | 48.7 | 48.0 | 46.8 | 46.6 | 49.77 | 54.4 | 46.3 | 8.1 |
| 23 | 47.4 | 48.8 | 50.9 | 53.0 | 53.0 | 53.0 | 52.7 | 51.5 | 50.2 | 48.9 | 48.1 | 47.9 | 49.4 | 49.6 | 49.7 | 48.8 | 49.2 | 49.4 | 49.2 | 48.9 | 48.9 | 48.2 | 47.3 | 46.1 | 49.59 | 53.4 | 45.9 | 7.5 |
| 24 | 46.2 | 49.8 | 51.7 | 52.8 | 52.7 | 51.8 | — | 55.4 | — | — | — | — | — | 49.6 | 49.3 | 49.3 | 49.4 | 49.3 | — | 49.3 | 49.2 | 48.2 | 46.5 | 46.6 | — | — | — | — |
| 25 | 47.3 | 49.0 | 50.4 | 52.1 | 53.1 | 52.3 | 51.1 | 50.2 | 49.3 | 48.8 | 49.3 | 49.6 | 49.5 | 49.4 | 49.5 | 49.4 | 49.0 | 48.8 | 48.7 | 48.7 | 48.5 | 47.4 | 46.5 | 46.2 | 49.34 | 53.2 | 46.0 | 7.2 |
| 26 | 47.4 | 49.6 | 51.7 | 53.2 | 52.8 | 51.8 | 50.6 | 49.6 | 49.5 | 49.1 | 49.4 | 49.7 | 49.5 | 49.4 | 49.5 | 49.4 | 49.4 | 49.1 | 49.1 | 48.8 | 48.6 | 48.4 | 47.6 | 47.6 | 49.62 | 53.2 | 47.2 | 6.0 |
| 27 d | 47.2 | 48.9 | 50.6 | 51.6 | 52.7 | 52.3 | 51.9 | 51.4 | 50.6 | 50.1 | 50.1 | 50.5 | 50.2 | 49.9 | 49.1 | 50.1 | 47.8 | 48.4 | 48.2 | 48.2 | 48.1 | 46.6 | 46.5 | 46.7 | 49.49 | 52.7 | 45.7 | 7.0 |
| 28 d | 49.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 29 d | 50.4 | 50.5 | 52.3 | 52.9 | 52.9 | 51.8 | 51.1 | 49.9 | 49.0 | 48.3 | 49.1 | 48.4 | 49.0 | 48.2 | 49.0 | 48.4 | 48.2 | 49.3 | 49.3 | 49.1 | 48.3 | 47.2 | 47.6 | 47.1 | 49.47 | 53.4 | 46.2 | 7.2 |
| 30 | 47.7 | 50.5 | 51.4 | 52.9 | 52.2 | 51.3 | 50.2 | 49.9 | 48.4 | 48.6 | 49.3 | 49.4 | 48.4 | 49.4 | 48.8 | 49.4 | 49.7 | 48.0 | 49.0 | 49.3 | 49.1 | 48.6 | 46.8 | 47.0 | 49.39 | 52.9 | 46.4 | 6.5 |
| 31 | 48.2 | 50.4 | 52.3 | 53.3 | (52.8) | (51.6) | 50.4 | 49.0 | 47.9 | 48.4 | 48.5 | 49.3 | 49.8 | 49.3 | 49.6 | 49.3 | 49.2 | 48.7 | 48.9 | 48.7 | 48.1 | 47.2 | 46.9 | 46.5 | 49.35 | 53.3 | 46.5 | 6.8 |
| mean. | 47.40 | 49.20 | 51.22 | 52.50 | 52.87 | 52.41 | 51.58 | 50.56 | 49.62 | 49.12 | 49.35 | 49.49 | 49.50 | 49.41 | 49.32 | 49.28 | 49.11 | 48.91 | 48.82 | 48.76 | 48.53 | 47.69 | 46.70 | 46.44 | 49.49 | — | — | — |
| 〃 c | 47.60 | 50.24 | 52.08 | 53.04 | 53.26 | 52.64 | 51.66 | 50.28 | 49.38 | 48.76 | 49.14 | 49.42 | 49.46 | 49.38 | 49.38 | 49.24 | 49.10 | 48.86 | 48.82 | 48.76 | 48.58 | 47.86 | 46.50 | 46.30 | 49.55 | — | — | — |
| | 46.88 | 48.52 | | | | | | | | | | | | | | | | | | | | | | 45.86 | | | | |
| 〃 d | 48.80 | 49.70 | 51.45 | 52.25 | 52.80 | 52.05 | 51.50 | 50.65 | 49.80 | 49.20 | 49.60 | 49.45 | 49.60 | 49.05 | 49.05 | 49.25 | 48.00 | 48.85 | 48.75 | 48.65 | 48.20 | 46.90 | 47.05 | 47.60 | 49.48 | — | — | — |
| | 48.70 | 50.50 | | | | | | | | | | | | | | | | | | | | | | 46.90 | | | | |

* Hourly instantaneous values. c denotes an International Calm Day. d denotes an International Disturbed Day.

Table 4 — Declination (West) 3°00′0+.....′ — September 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 47.0 | 48.9 | 50.8 | 53.1 | 53.3 | 52.3 | 50.5 | 49.1 | 48.2 | 48.1 | 48.9 | 49.4 | 49.6 | 49.5 | 48.7 | 49.3 | 49.6 | 49.0 | 49.0 | 48.5 | 48.3 | 47.2 | 46.3 | 46.4 | 49.21 | 53.5 | 46.1 | 7.4 |
| 2 | 48.2 | 51.1 | 52.3 | 53.6 | 53.8 | 52.1 | 50.0 | 48.5 | 47.8 | 48.2 | 49.1 | 49.5 | 49.5 | 49.1 | 49.3 | 49.1 | 49.0 | 48.8 | 48.6 | 48.6 | 48.4 | 47.5 | 46.5 | 45.4 | 49.33 | 54.2 | 45.4 | 8.8 |
| 3 c | 46.8 | 49.7 | 52.0 | 53.7 | 54.5 | 52.9 | 50.9 | 49.2 | 48.3 | 48.1 | 48.8 | 49.3 | 49.3 | 49.1 | 49.3 | 49.1 | 49.1 | 49.1 | 48.5 | 48.5 | 48.0 | 47.4 | 46.4 | 45.6 | 49.32 | 54.6 | 45.5 | 9.1 |
| 4 | 46.1 | 48.9 | 51.8 | 53.5 | 53.8 | 52.6 | 50.8 | 49.1 | 48.1 | 48.1 | 48.9 | 49.1 | 49.3 | 49.3 | 49.1 | 49.1 | 49.0 | 49.0 | 48.8 | 48.4 | 48.2 | 48.0 | 47.0 | 47.2 | 49.30 | 53.8 | 46.1 | 7.7 |
| 5 | 47.4 | 49.0 | 50.4 | 51.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 d | — | 47.6 | 50.5 | 52.4 | 53.2 | 53.2 | 52.1 | 51.2 | 49.2 | 49.1 | 49.6 | 49.3 | 49.3 | 48.9 | 49.8 | 48.4 | 49.0 | 48.7 | 48.9 | 48.4 | 49.7 | 48.5 | 47.8 | 46.7 | — | — | — | — |
| 7 | 47.1 | 48.8 | 50.8 | 52.1 | 52.6 | 51.7 | 50.8 | 50.4 | 49.3 | 48.9 | 48.2 | 49.3 | 49.1 | 49.3 | 49.5 | 49.5 | 49.3 | 49.1 | 48.9 | 48.8 | 48.2 | 47.8 | 48.2 | 46.6 | 49.35 | 52.7 | 46.0 | 6.7 |
| 8 d | 46.2 | 47.6 | 50.4 | 52.6 | 53.6 | 52.1 | 51.3 | 50.4 | 50.0 | 49.5 | 49.9 | 49.8 | 49.6 | 49.4 | 49.1 | 49.0 | 48.7 | 48.0 | 47.7 | 48.1 | 47.6 | 47.6 | 47.2 | 46.2 | 49.23 | 53.8 | 46.1 | 7.7 |
| 9 | 48.0 | 49.4 | 50.7 | 52.4 | 52.5 | 51.6 | 50.7 | 50.0 | 49.2 | 49.3 | 49.6 | 49.8 | 49.5 | 49.5 | 49.2 | 49.3 | 49.0 | 49.0 | 48.3 | 48.2 | 48.4 | 47.9 | 47.6 | 47.7 | 49.45 | 52.7 | 47.5 | 5.2 |
| 10 c | 48.6 | 49.7 | 50.9 | 51.6 | 51.3 | 50.7 | 49.4 | 48.9 | 49.0 | 49.1 | 49.4 | 49.3 | 49.2 | 49.3 | 49.2 | 49.1 | 49.0 | 49.0 | 49.0 | 48.9 | 48.6 | 48.1 | 47.9 | 47.5 | 49.28 | 51.7 | 47.4 | 4.3 |
| 11 c | 47.8 | (48.7) | 50.5 | 50.9 | 51.2 | 50.3 | 49.4 | 48.6 | 49.1 | 49.3 | 49.3 | 49.5 | 49.4 | 49.4 | 49.3 | 49.3 | 48.9 | 48.8 | 48.6 | 48.4 | 48.2 | 47.8 | 47.2 | 47.2 | 49.05 | 51.2 | 46.9 | 4.3 |
| 12 | 47.8 | 48.9 | 50.4 | 51.2 | 51.6 | 51.0 | 49.7 | 48.6 | 48.0 | 48.6 | 48.8 | 49.3 | 48.8 | 48.5 | 49.2 | 48.9 | 48.8 | 48.7 | 48.5 | 48.4 | 48.3 | 47.6 | 47.5 | 47.9 | 48.96 | 51.7 | 47.2 | 4.5 |
| 13 | 48.5 | 50.5 | 52.1 | 52.6 | 52.6 | 51.9 | 50.4 | 49.2 | 48.4 | 48.8 | 49.2 | 49.3 | 49.4 | 49.8 | 49.2 | 48.9 | 48.9 | 48.5 | 48.1 | 48.1 | 48.4 | 47.4 | 47.4 | 47.2 | 49.37 | 52.6 | 47.0 | 5.6 |
| 14 | 48.2 | (50.4) | 52.5 | 53.8 | 54.0 | 52.7 | 50.9 | 50.4 | 49.3 | 51.4 | (49.3) | 49.4 | 49.5 | 49.4 | 49.2 | 49.1 | 48.8 | 48.6 | 48.5 | 48.1 | 48.2 | 48.5 | 47.7 | 47.6 | 49.81 | 54.1 | 47.5 | 6.6 |
| 15 | 47.8 | 49.2 | 51.7 | 53.3 | (54.1) | 52.5 | 50.1 | 49.9 | 47.6 | 48.7 | (49.1) | 51.4 | 49.4 | 49.5 | 48.7 | 48.6 | 48.6 | 48.5 | 48.4 | 48.3 | 48.2 | 47.5 | 47.1 | 47.7 | 49.41 | 54.1 | 46.9 | 7.2 |
| 16 c | 49.0 | 50.6 | 51.7 | 52.6 | 52.1 | 50.8 | 49.4 | 50.5 | 48.0 | 48.8 | 49.2 | 49.2 | 49.2 | 49.4 | 49.0 | 49.0 | 49.0 | 48.9 | 48.8 | 48.7 | 48.5 | 47.8 | 46.5 | 45.7 | 49.27 | 52.6 | 45.5 | 7.1 |
| 17 c | 46.2 | 48.3 | 50.4 | 52.3 | 52.9 | 52.3 | 50.6 | 49.2 | 48.3 | 48.7 | 49.3 | 49.4 | 49.1 | 49.1 | 49.0 | 49.0 | 48.9 | 48.7 | 48.4 | 48.5 | 48.4 | 48.0 | 47.3 | 46.8 | 49.13 | 52.9 | 46.5 | 6.4 |
| 18 | 47.2 | 48.8 | 50.8 | 52.4 | 52.2 | 51.1 | 49.7 | 48.8 | 48.2 | 49.0 | 49.4 | 48.9 | 49.3 | 49.3 | 49.0 | 48.8 | 48.2 | 47.8 | 48.0 | 48.1 | 47.5 | 47.3 | 46.2 | 48.0 | 48.92 | 52.6 | 45.9 | 6.7 |
| 19 | 47.4 | 48.9 | 51.4 | 52.1 | 52.0 | 51.6 | 50.7 | 49.6 | 48.9 | 49.1 | 47.0 | 49.9 | 49.0 | 49.6 | 49.6 | 49.6 | 48.0 | 48.1 | 48.3 | 47.9 | 48.4 | 47.7 | 48.0 | 47.2 | 49.17 | 52.2 | 46.8 | 5.4 |
| 20 | 47.2 | 48.4 | 51.0 | 52.7 | 52.8 | 51.9 | 50.6 | 49.3 | 48.2 | 48.1 | 49.6 | 49.6 | 49.5 | 49.4 | 49.2 | 48.5 | 49.0 | 48.6 | 48.6 | 48.5 | 48.5 | 48.4 | 47.8 | 47.4 | 49.28 | 53.2 | 47.2 | 6.0 |
| 21 | 47.4 | 49.2 | 50.6 | 51.6 | 51.7 | 51.0 | 50.6 | 49.0 | 48.3 | 49.0 | 49.5 | 49.3 | 49.2 | 49.0 | 49.0 | 49.0 | 48.9 | 48.9 | 48.9 | 48.6 | 48.8 | 48.6 | 48.3 | 47.9 | 49.26 | 51.7 | 46.7 | 5.0 |
| 22 | 46.9 | 47.0 | 47.6 | 49.8 | 51.4 | 51.7 | 50.9 | 49.2 | 48.2 | 48.7 | 49.2 | 50.1 | 49.9 | 49.2 | 49.2 | 48.8 | 48.8 | 50.0 | 48.9 | 49.0 | 49.2 | 49.5 | 48.7 | 47.6 | 49.15 | 51.7 | 46.7 | 5.0 |
| 23 d | 47.8 | 49.5 | 51.2 | 52.0 | 49.9 | 51.9 | 50.4 | 49.3 | 49.2 | 48.2 | 48.9 | 48.8 | 49.0 | 49.3 | 48.6 | 48.6 | 50.2 | 47.8 | 47.4 | 48.0 | 48.5 | 51.2 | 48.2 | 48.4 | 49.26 | 52.9 | 46.9 | 6.0 |
| 24 d | 49.0 | 50.2 | 51.5 | 52.6 | 51.7 | 51.9 | 50.8 | 49.2 | 48.6 | 48.7 | 48.0 | 48.6 | 49.5 | 49.9 | 49.3 | 48.1 | 47.8 | 47.7 | 48.1 | 48.6 | 48.4 | 48.5 | 48.2 | 48.8 | 49.32 | 52.6 | 47.2 | 5.4 |
| 25 d | (49.3) | 49.8 | 51.8 | 53.0 | 52.0 | 51.1 | 49.3 | 49.1 | 49.1 | 48.7 | 48.5 | 48.5 | 48.3 | 48.9 | 48.3 | 48.8 | 46.7 | 47.9 | 48.8 | 46.7 | 48.5 | 49.7 | 49.9 | 50.2 | 49.29 | 53.4 | 45.7 | 7.7 |
| 26 | 49.2 | 50.5 | 51.6 | 52.0 | 51.7 | 50.2 | 49.5 | 48.4 | 48.2 | 48.8 | 49.1 | 47.8 | 49.2 | 49.6 | 49.3 | 49.2 | 49.1 | 48.8 | 48.7 | 48.7 | 49.6 | 49.7 | 49.1 | 48.4 | 49.43 | 52.2 | 47.5 | 4.7 |
| 27 | 48.5 | 50.1 | 51.5 | 52.0 | 52.1 | 51.1 | 49.9 | 49.1 | 48.7 | 48.7 | 49.4 | 49.1 | 49.2 | 48.7 | 48.7 | 48.8 | 49.5 | 49.5 | 49.0 | 49.5 | 49.4 | 48.6 | 48.1 | 47.8 | 49.46 | 52.3 | 47.6 | 4.7 |
| 28 | 48.4 | 49.8 | (51.0) | 51.9 | 51.9 | 50.8 | 49.9 | 49.3 | 49.1 | 48.4 | 49.3 | 49.7 | 48.7 | 49.3 | 49.9 | 49.0 | 49.1 | 49.0 | 48.7 | 48.6 | 48.7 | 48.3 | 48.2 | 48.2 | 49.39 | 51.9 | 48.2 | 3.7 |
| 29 | 48.1 | 49.3 | 51.4 | 52.0 | 50.8 | 50.0 | 48.7 | 48.0 | 48.0 | 48.7 | 48.9 | 49.4 | 49.6 | 49.6 | 49.3 | 49.2 | 49.1 | 48.9 | 48.8 | 48.7 | 49.5 | 49.1 | 48.8 | 48.7 | 49.27 | 51.7 | 47.7 | 4.0 |
| 30 | 49.0 | 49.6 | 50.9 | 51.8 | 51.9 | 51.1 | 49.9 | 48.7 | 48.8 | 48.8 | 49.9 | 49.4 | 48.8 | 49.1 | 49.4 | 48.5 | 48.6 | 48.6 | 48.6 | 48.7 | 49.1 | 48.8 | 49.1 | 47.6 | 49.36 | 52.0 | 47.4 | 4.6 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 47.81 | 49.29 | 51.10 | 52.33 | 52.39 | 51.59 | 50.27 | 49.32 | 48.60 | 48.81 | 49.08 | 49.36 | 49.26 | 49.29 | 49.16 | 48.95 | 48.85 | 48.69 | 48.54 | 48.43 | 48.54 | 48.28 | 47.73 | 47.43 | 49.30 | — | — | — |
| 〃 c | 47.68 47.02 | 49.40 48.72 | 51.10 | 52.22 | 52.40 | 51.40 | 49.94 | 49.28 | 48.54 | 48.80 | 49.20 | 49.34 | 49.24 | 49.26 | 49.16 | 49.10 | 48.98 | 48.90 | 48.66 | 48.60 | 48.34 | 47.82 | 47.06 | 46.80 46.56 | 49.21 | — | — | — |
| 〃 d | 48.07 48.52 | 48.94 49.74 | 56.08 | 52.52 | 52.08 | 52.04 | 50.78 | 49.84 | 49.22 | 48.84 | 48.98 | 49.00 | 49.14 | 49.28 | 49.02 | 48.58 | 48.48 | 48.02 | 48.18 | 47.96 | 48.54 | 49.10 | 48.26 | 47.85 48.06 | 49.33 | — | — | — |

Table 5 Declination (West) 3°00′0+.....′ October 1982.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | min. | Range. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 47.9 | (48.7) | 50.1 | 50.8 | 51.4 | 50.5 | 49.2 | 48.3 | 48.0 | 49.3 | 49.5 | 49.6 | 49.6 | 49.4 | 48.9 | 49.0 | 48.9 | 48.8 | 48.7 | 48.6 | 48.9 | 48.8 | 48.2 | 47.4 | 49.10 | 51.7 | 47.2 | 4.5 |
| 2 | 47.6 | 48.2 | 51.7 | 51.9 | 52.4 | 51.5 | 50.0 | 48.5 | 48.0 | 48.8 | 49.3 | 48.2 | 49.8 | 49.0 | 50.0 | 49.1 | 49.1 | 48.7 | 48.7 | 49.0 | 48.7 | 48.5 | 48.2 | 47.4 | 49.26 | 52.4 | 47.1 | 5.3 |
| 3 | 47.5 | 49.6 | 51.2 | 51.7 | 51.8 | 51.7 | 50.3 | 48.9 | 48.4 | 49.3 | 49.6 | 49.4 | 49.2 | 49.2 | 48.8 | 49.0 | 49.1 | 48.9 | 48.8 | 48.7 | 48.9 | 48.9 | 48.7 | 47.0 | 49.36 | 52.2 | 46.6 | 5.6 |
| 4 | 46.7 | 47.8 | 50.0 | 51.7 | 51.7 | 51.4 | 50.2 | 48.8 | 48.0 | 48.6 | 49.0 | 48.4 | 49.0 | 49.2 | 49.0 | 48.7 | 48.7 | 48.2 | 47.9 | 47.8 | 47.9 | 48.2 | 48.0 | 47.8 | 48.86 | 52.0 | 47.4 | 4.6 |
| 5 | 47.6 | 48.3 | 48.9 | 50.4 | 50.6 | 50.6 | 49.9 | 49.0 | 48.8 | 48.9 | 49.3 | 49.6 | 49.6 | 49.5 | 49.3 | 49.3 | 48.9 | 48.8 | 48.7 | 48.7 | 48.5 | 48.7 | 49.0 | 48.3 | 49.13 | 51.2 | 47.6 | 3.6 |
| 6 c | 48.1 | 47.8 | 48.3 | 49.5 | 50.3 | 50.7 | 50.1 | 49.2 | 48.7 | 48.9 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.0 | 48.8 | 48.6 | 48.6 | 48.5 | 48.8 | 48.9 | 48.9 | 47.8 | 48.96 | 50.7 | 47.1 | 3.6 |
| 7 | 47.2 | 48.0 | 49.0 | 50.7 | 51.9 | 51.9 | 51.2 | 49.8 | 48.7 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 48.9 | 48.7 | 48.5 | 48.5 | 48.6 | 48.7 | 49.0 | 49.0 | 47.7 | 49.18 | 52.0 | 47.0 | 5.0 |
| 8 | 47.0 | 47.3 | (48.8) | (50.2) | (51.7) | 51.1 | 46.0 | 44.8 | 48.7 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.0 | 48.9 | 48.8 | 48.6 | 48.5 | 48.7 | 48.6 | 48.7 | 48.7 | 47.4 | 48.62 | 52.0 | 46.5 | 5.5 |
| 9 | 46.4 | 47.1 | 48.2 | 49.4 | 50.6 | 51.0 | 50.5 | 49.7 | 49.4 | 49.2 | 49.2 | 49.5 | 49.2 | 49.2 | 48.9 | 48.6 | 47.7 | 48.3 | 48.6 | 48.5 | 48.9 | 48.7 | 48.4 | 48.2 | 48.89 | 51.1 | 46.6 | 4.5 |
| 10 | 48.1 | 48.4 | 48.4 | 49.9 | 50.3 | 50.6 | 50.4 | 49.6 | 49.1 | 49.1 | 49.1 | 49.2 | 48.9 | 49.3 | 49.0 | 48.7 | 48.8 | 48.1 | 48.6 | 48.7 | 49.1 | 49.5 | 49.3 | 48.9 | 49.13 | 50.8 | 47.8 | 3.0 |
| 11 | 48.2 | 47.4 | 48.0 | 49.8 | 50.5 | 50.4 | 50.0 | 49.4 | 49.5 | 49.1 | 49.1 | 49.2 | 49.3 | 49.2 | 49.1 | 49.1 | 48.9 | 48.7 | 48.6 | 48.6 | 48.6 | 49.2 | 49.2 | 48.5 | 49.07 | 50.8 | 47.4 | 3.4 |
| 12 | 48.4 | 48.9 | 50.1 | 50.8 | 51.5 | 50.7 | 49.0 | 48.7 | 48.7 | 49.0 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.0 | 48.7 | 48.5 | 48.2 | 48.2 | 48.1 | 48.7 | 48.7 | 48.2 | 49.08 | 51.4 | 48.0 | 3.4 |
| 13 c | 48.2 | 48.3 | 49.5 | 51.7 | 52.3 | 51.1 | 49.6 | 49.0 | 48.6 | 49.0 | 49.2 | 48.9 | 49.2 | 49.3 | 48.9 | 49.1 | 48.9 | 48.6 | 48.5 | 48.4 | 48.7 | 48.6 | 47.9 | 47.3 | 49.12 | 52.4 | 47.3 | 5.1 |
| 14 c | 47.1 | 47.8 | 49.4 | 51.1 | 52.0 | 51.1 | 49.7 | 48.7 | 48.5 | 48.9 | 49.0 | 49.1 | 49.2 | 49.2 | 49.3 | 49.3 | 49.0 | 48.8 | 48.7 | 48.4 | 48.4 | 48.6 | 48.5 | 47.8 | 49.07 | 52.0 | 47.1 | 4.9 |
| 15 d | 47.5 | (47.4) | 48.6 | 50.2 | 51.4 | 50.6 | 48.9 | 48.4 | 49.5 | 49.3 | 48.0 | 49.8 | 49.9 | 48.4 | 47.6 | 47.1 | 48.0 | 47.1 | 48.9 | 49.3 | 49.0 | 48.9 | 49.1 | 49.3 | 48.84 | 51.4 | 47.0 | 4.4 |
| 16 d | 50.1 | 50.4 | 51.2 | 52.9 | 53.0 | 52.7 | 50.6 | 49.1 | 47.4 | 48.7 | 49.2 | 47.9 | 49.1 | 49.3 | 49.5 | 49.4 | 49.1 | 49.7 | 48.7 | 48.9 | 48.7 | 48.9 | 48.8 | 48.5 | 49.66 | 53.5 | 47.0 | 6.5 |
| 17 | 48.2 | 49.5 | 50.1 | 50.7 | 51.2 | 50.6 | 49.5 | 48.9 | 48.8 | 47.4 | 49.4 | 49.4 | 49.6 | 48.5 | 48.8 | 49.0 | 50.2 | — | — | — | — | — | — | — | — | 51.2 | 47.4 | 3.8 |
| 18 | — | — | — | — | — | — | — | — | — | — | — | — | 49.1 | 49.0 | 49.3 | 49.3 | 49.4 | 49.4 | 49.2 | 49.0 | 49.4 | 49.0 | 49.1 | 49.1 | — | — | — | — |
| 19 | 48.2 | 48.4 | 48.6 | 48.7 | 51.2 | 51.5 | 50.4 | 49.6 | 49.1 | 49.4 | 49.4 | 49.2 | 49.0 | 48.0 | 49.2 | 49.4 | 49.0 | 49.0 | 48.9 | 48.9 | 49.1 | 49.3 | 49.1 | 48.2 | 49.20 | 51.8 | 47.5 | 4.3 |
| 20 d | 47.5 | 47.5 | 48.2 | 49.7 | 50.5 | 50.4 | 49.5 | 48.9 | 48.8 | 49.0 | 49.4 | 48.6 | 49.0 | 48.4 | 48.7 | 49.2 | 49.0 | 49.0 | 46.4 | 49.2 | 49.9 | 51.2 | 51.1 | 51.2 | 49.18 | 53.7 | 46.4 | 7.3 |
| 21 d | 51.1 | 51.7 | 51.7 | 52.3 | 52.4 | 51.2 | 50.3 | 49.2 | 49.5 | 49.0 | 47.7 | 49.5 | 49.4 | 49.5 | 49.3 | 49.0 | 49.1 | 49.0 | 49.0 | 49.3 | 49.9 | 50.9 | 51.0 | 49.9 | 50.04 | 53.5 | 46.1 | 7.4 |
| 22 | 49.1 | 48.7 | 49.0 | 50.3 | 52.1 | 52.2 | 52.1 | 50.6 | 49.9 | 49.9 | 49.7 | 49.5 | 49.3 | 49.6 | 48.0 | 48.0 | 47.4 | 46.4 | 46.3 | 46.7 | 48 5 | 48.7 | 48.7 | 48.5 | 49.16 | 53.1 | 46.0 | 7.1 |
| 23 d | 48.9 | 50.2 | 50.0 | 51.6 | 52.8 | 51.2 | 49.0 | 48.7 | 48.1 | 48.9 | 48.9 | 48.0 | 48.1 | 47.7 | 47.4 | 48.1 | 46.7 | 48.4 | 47.4 | 47.3 | 48.1 | 48.1 | 48.9 | 48.9 | 48.81 | 52.9 | 46.1 | 6.8 |
| 24 | 48.9 | 48.7 | 48.9 | 49.0 | 49.1 | 48.5 | 48.1 | 47.4 | 47.9 | 48.0 | 48.1 | 48.7 | 49.0 | 47.3 | 49.0 | 49.1 | 49.0 | 49.3 | 49.3 | 49.5 | 49.6 | 49.6 | 49.9 | 49.6 | 48.81 | 50.3 | 47.3 | 3.0 |
| 25 | 49.0 | 48.7 | 48.4 | 49.6 | 50.6 | 50.6 | 50.3 | 50.2 | 49.3 | 49.1 | 49.0 | 49.0 | 49.3 | 48.9 | 48.3 | 48.1 | 48.9 | 49.0 | 49.0 | 49.1 | 49.3 | 49.5 | 49.6 | 50.0 | 49.23 | 50.8 | 47.9 | 2.9 |
| 26 c | 49.6 | 49.6 | 49.6 | 49.8 | 50.6 | 50.8 | 50.9 | 50.6 | 50.1 | 50.0 | 50.1 | 50.0 | 49.9 | 49.6 | 50.0 | 49.9 | 49.8 | 49.9 | 49.8 | 50.2 | 49.6 | 49.8 | 50.2 | (49.9) | 50.01 | 50.9 | 49.6 | 1.3 |
| 27 | 49.8 | 49.5 | 49.6 | 50.8 | 51.8 | 51.8 | — | — | — | — | — | 51.0 | 47.4 | 49.9 | 49.1 | 46.7 | 49.3 | 49.6 | 49.1 | 49.5 | 49.6 | 50.0 | 49.9 | 49.8 | — | — | — | — |
| 28 c | 49.3 | 48.9 | 49.0 | 50.5 | 51.4 | 50.6 | 50.3 | 49.5 | 49.1 | 49.6 | 50.2 | 51.0 | 49.9 | 49.6 | 49.8 | 49.8 | 49.8 | 49.6 | 49.6 | 49.3 | 49.1 | 49.6 | 49.6 | 48.8 | 49.75 | 51.4 | 48.7 | 2.7 |
| 29 | 48.4 | 48.3 | 48.4 | 50.3 | 51.8 | 51.8 | 50.8 | 49.8 | 49.3 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 48.9 | 48.9 | 48.7 | 48.9 | 48.5 | 48.4 | 48.9 | 48.6 | 49.26 | 51.8 | 48.3 | 3.5 |
| 30 | 48.1 | 47.9 | 48.9 | 50.3 | 51.5 | 51.6 | 50.9 | 50.5 | 50.5 | 50.8 | 50.9 | 51.3 | 50.6 | 51.0 | 50.8 | 51.0 | 50.3 | 51.0 | 51.3 | 51.2 | 51.5 | 51.6 | 51.8 | 51.8 | 50.71 | 51.8 | 48.1 | 3.7 |
| 31 | 52.0 | (51.9) | 51.6 | 52.0 | 53.1 | 53.2 | 52.5 | 51.8 | 51.0 | 50.6 | 50.5 | 50.5 | 49.1 | 49.8 | 48.9 | 48.9 | 48.9 | 48.9 | 48.8 | 48.8 | 48.4 | 48.0 | 47.9 | 47.0 | 50.17 | 53.3 | 47.0 | 6.3 |
| mean | 48.35 | 48.64 | 49.42 | 50.60 | 51.45 | 51.11 | 50.02 | 49.17 | 48.95 | 49.20 | 49.24 | 49.27 | 49.29 | 49.12 | 49.04 | 48.99 | 48.82 | 48.76 | 48.63 | 48.79 | 48.93 | 49.12 | 49.12 | 48.57 | 49.27 | — | — | — |
| 〃 c | 48.46 48.00 | 48.48 48.20 | 49.16 | 50.52 | 51.32 | 50.86 | 50.12 | 49.40 | 49.00 | 49.28 | 49.50 | 49.60 | 49.48 | 49.38 | 49.44 | 49.42 | 49.26 | 49.10 | 49.04 | 48.96 | 48.92 | 49.10 | 49.02 | 48.72 48.32 | 49.38 | — | — | — |
| 〃 d | 49.02 49.48 | 49.44 49.80 | 49.94 | 51.84 | 52.02 | 51.22 | 49.66 | 48.86 | 48.66 | 48.98 | 48.64 | 48.76 | 49.10 | 48.66 | 48.50 | 48.56 | 48.38 | 48.64 | 48.08 | 48.80 | 49.12 | 49.60 | 49.78 | 49.00 49.56 | 49.30 | — | — | — |

Table 6 — Declination (West) 3°00'0+..... — November 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max | Min | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 46.3 | 46.1 | 47.6 | 50.2 | 52.5 | 53.0 | 52.8 | 49.5 | 49.5 | 50.8 | 51.0 | 50.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2 | — | — | 51.6 | 52.0 | 51.8 | 51.1 | 50.0 | 50.0 | 49.5 | 49.2 | 50.2 | 50.4 | 49.0 | 50.4 | 50.4 | 50.4 | 50.2 | 49.8 | 49.5 | 49.5 | 49.5 | 49.4 | 50.0 | 49.2 | — | — | — | — |
| 3 | 48.7 | 48.7 | 48.7 | 50.4 | 51.9 | 51.9 | 51.8 | 50.6 | 50.6 | 48.9 | 49.9 | 50.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4 | — | — | 45.2 | 46.6 | 50.0 | 51.1 | 50.0 | 48.6 | 48.3 | 48.9 | 48.9 | 48.6 | 49.1 | 48.9 | 48.9 | 48.6 | 48.6 | 48.4 | 48.6 | 47.5 | 48.9 | 48.6 | 49.7 | 48.6 | — | — | — | — |
| 5 | 47.5 | 48.4 | 48.9 | 50.3 | 50.0 | 50.0 | 49.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.9 | 48.6 | 48.6 | 48.6 | 48.9 | 48.6 | 48.6 | 49.1 | 50.0 | 50.0 | 50.0 | 49.00 | 50.3 | 47.5 | 2.8 |
| 6 c | 49.1 | 48.9 | 50.0 | 51.1 | 51.5 | 51.7 | 51.4 | 50.9 | 49.4 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 49.7 | 50.0 | 50.0 | 49.5 | 49.1 | 49.5 | 49.7 | 50.6 | 50.3 | 49.5 | 50.08 | 51.7 | 48.9 | 2.8 |
| 7 | 48.6 | 48.9 | (48.5) | 49.6 | 49.9 | 50.2 | 49.7 | 49.5 | 49.0 | 49.2 | 49.3 | 49.6 | 49.7 | 49.6 | 49.3 | 49.2 | 49.4 | 49.9 | 49.3 | 49.4 | 49.5 | 49.6 | 49.8 | 49.3 | — | 50.2 | 48.5 | 1.7 |
| 8 | 48.8 | (48.5) | 48.7 | 49.3 | 50.2 | 50.1 | 50.0 | 49.4 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7 | 49.6 | 49.4 | 49.2 | 49.4 | 49.5 | 49.4 | 49.7 | 49.8 | 50.2 | 49.8 | 49.52 | — | — | — |
| 9 c | 49.0 | (48.7) | (49.2) | 49.7 | 50.8 | 50.9 | 50.5 | 49.8 | 49.0 | 49.3 | 49.5 | 49.4 | 49.3 | 49.4 | 49.4 | 49.5 | 49.2 | 49.3 | 49.7 | 49.4 | 49.1 | 48.9 | 49.2 | 49.0 | 49.47 | 51.0 | 48.7 | 2.3 |
| 10 c | 47.9 | 48.3 | 48.9 | 49.8 | 50.2 | 50.4 | 49.8 | 49.7 | 49.6 | 49.5 | (49.5) | (49.5) | (49.6) | (49.7) | (49.6) | (49.4) | 49.2 | 49.2 | 48.9 | 48.9 | 49.2 | 49.4 | 49.8 | 48.9 | 49.37 | 50.4 | 47.8 | 2.6 |
| 11 | 47.9 | 48.3 | 49.2 | 50.2 | 50.8 | 50.6 | 50.1 | 49.6 | 49.2 | 49.2 | 49.2 | 49.4 | 49.4 | 49.2 | 49.2 | 49.2 | 49.2 | 49.0 | 48.9 | 49.2 | 49.4 | 49.6 | 50.0 | 49.4 | 49.39 | 50.9 | 47.8 | 3.1 |
| 12 | 48.5 | 48.3 | 48.7 | 49.6 | 50.5 | 50.5 | 50.1 | 49.7 | 49.4 | 49.7 | 49.5 | 50.1 | 49.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 13 | — | — | 49.2 | 51.1 | 50.5 | 50.7 | 49.8 | 49.7 | 48.9 | 49.2 | 49.6 | 49.5 | 49.2 | 49.6 | 49.2 | 48.7 | 49.0 | 48.9 | 49.2 | 49.3 | 49.4 | 50.0 | 50.1 | 49.4 | — | — | — | — |
| 14 d | 48.4 | 48.6 | 49.4 | 49.9 | 50.4 | 50.4 | 49.6 | 49.1 | 48.3 | 49.2 | 49.4 | 49.6 | 48.9 | 48.9 | 49.6 | 49.6 | 48.7 | 49.7 | 49.7 | 49.5 | 49.6 | 50.0 | 50.6 | 52.0 | 49.55 | 52.5 | 47.0 | 5.5 |
| 15 d | 49.8 | 49.5 | 49.5 | 49.8 | 50.6 | 50.7 | 50.5 | 49.5 | 49.0 | 49.3 | 49.5 | 49.6 | 49.6 | 48.9 | 49.7 | 49.4 | 49.5 | 49.6 | 50.5 | 49.4 | 48.9 | 49.7 | 50.0 | 49.3 | 49.66 | 50.7 | 48.9 | 1.8 |
| 16 d | 49.1 | 48.3 | 48.7 | 50.4 | 51.9 | 51.5 | 50.0 | 49.4 | 49.8 | 49.7 | 49.4 | 47.4 | 49.6 | 49.3 | 49.4 | 50.4 | 49.1 | 49.6 | 51.0 | 48.9 | 49.5 | 50.6 | 51.6 | 50.1 | 49.78 | 52.1 | 46.8 | 5.8 |
| 17 d | 48.9 | 49.4 | (50.2) | 51.0 | 50.7 | 50.5 | 50.5 | 49.8 | 49.9 | 49.8 | 49.0 | 49.2 | 49.8 | 50.1 | 49.1 | 49.8 | 49.7 | 50.1 | 49.9 | 50.1 | 50.0 | 50.6 | 50.4 | 50.1 | 49.94 | 51.1 | 48.5 | 2.6 |
| 18 | 48.6 | 48.4 | 48.4 | 49.6 | 50.6 | 50.2 | 50.2 | 49.6 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 48.5 | 49.0 | 48.9 | 49.8 | 49.2 | 49.8 | 49.8 | 50.1 | 51.1 | 50.6 | 49.8 | 49.58 | 51.3 | 48.3 | 3.0 |
| 19 | 49.1 | 48.7 | 48.3 | 49.2 | 49.8 | 50.2 | 50.3 | 50.4 | 49.8 | 49.3 | 49.4 | 49.5 | 49.2 | 48.9 | 49.2 | 49.1 | 49.4 | 49.7 | 50.1 | 50.2 | 49.8 | 49.9 | 50.4 | 50.2 | 49.59 | 50.7 | 48.1 | 2.6 |
| 20 | 49.5 | 48.8 | 48.6 | 49.5 | 50.5 | 50.6 | 50.4 | 49.6 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.2 | 49.4 | 50.0 | 49.3 | 49.5 | 49.6 | 49.5 | 49.6 | 49.8 | 50.0 | 49.6 | 49.62 | 50.7 | 48.6 | 2.1 |
| 21 | 48.7 | 48.5 | 48.6 | 49.2 | 50.1 | 50.5 | 50.4 | 49.8 | 49.5 | 49.2 | 49.8 | 49.8 | 49.8 | 49.8 | 49.7 | 49.7 | 50.0 | 49.6 | 49.6 | 49.6 | 49.8 | 50.1 | 50.2 | 49.2 | 49.68 | 50.5 | 48.3 | 2.2 |
| 22 c | 48.3 | 48.1 | 48.4 | 49.7 | 50.4 | 50.4 | 50.2 | 49.6 | 49.2 | 49.3 | 49.4 | 49.5 | 49.3 | 49.5 | 49.5 | 49.2 | 49.5 | 49.6 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.1 | 49.42 | 50.4 | 47.9 | 2.5 |
| 23 | 48.6 | 48.8 | 49.2 | 49.8 | 50.0 | 49.9 | 49.9 | 49.6 | 49.2 | 49.4 | 49.5 | 49.6 | 49.6 | 48.9 | 49.6 | 49.5 | 49.6 | 49.7 | 49.6 | 49.6 | 49.6 | 49.7 | 49.7 | 48.8 | 49.47 | 50.2 | 48.6 | 1.6 |
| 24 c | 47.9 | 47.6 | 48.3 | 49.2 | 50.0 | 50.3 | 50.2 | 49.8 | 49.0 | 49.2 | 49.2 | 49.4 | 49.6 | 49.5 | 49.6 | 49.7 | 49.6 | 49.5 | 49.6 | 49.6 | 49.6 | 49.5 | 49.8 | 49.2 | 49.37 | 50.4 | 47.5 | 2.9 |
| 25 | 48.5 | 48.3 | 48.8 | 49.4 | 49.4 | 49.6 | 48.8 | 48.5 | 48.7 | 48.8 | 48.9 | 49.5 | 49.4 | 49.3 | 49.4 | 49.2 | 47.8 | 48.4 | 49.0 | 49.1 | 49.2 | 49.6 | 50.0 | 49.6 | 49.05 | 50.1 | 47.6 | 2.5 |
| 26 | 49.4 | 49.4 | 50.0 | 50.1 | 50.5 | 50.3 | 49.9 | 49.6 | 49.4 | 49.6 | 49.7 | 49.9 | 49.2 | 49.0 | 49.6 | 49.4 | 49.4 | 49.4 | 49.4 | 49.3 | 49.5 | 49.6 | 49.8 | 49.3 | 49.61 | 50.5 | 48.3 | 2.2 |
| 27 | 48.3 | (48.5) | 48.3 | 49.0 | 50.0 | 50.7 | 50.5 | 49.8 | 49.8 | 49.6 | 49.7 | 49.8 | 49.7 | 50.0 | 49.6 | 49.6 | 49.5 | 49.5 | 49.6 | 49.8 | 50.0 | 49.9 | 50.0 | 49.5 | 49.60 | — | — | — |
| 28 | 48.9 | 48.8 | 49.2 | 49.8 | 50.4 | 50.4 | 50.0 | 49.3 | 49.2 | 49.5 | 49.6 | 49.5 | 49.3 | 49.3 | 49.6 | 49.6 | 49.5 | 49.8 | 49.9 | 49.2 | 49.3 | 49.6 | 49.7 | 49.2 | 49.52 | 50.5 | 48.5 | 2.0 |
| 29 | 48.5 | 48.7 | (49.2) | (49.8) | 50.3 | 50.6 | 50.2 | 48.6 | 49.4 | 49.6 | 49.7 | 49.0 | 50.1 | 49.6 | 49.5 | 48.9 | 49.3 | 48.5 | 48.9 | 49.1 | 49.6 | 49.8 | 50.1 | 49.9 | 49.45 | 50.9 | 48.3 | 2.6 |
| 30 | 49.2 | 48.2 | 48.9 | 50.2 | 51.0 | 51.0 | 50.1 | 49.2 | 49.1 | 49.4 | 49.8 | 49.7 | 49.8 | 49.7 | 49.6 | 49.4 | 49.5 | 49.4 | 49.6 | 49.3 | 49.6 | 49.6 | 49.6 | 49.3 | 49.59 | 51.3 | 48.2 | 3.1 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 50.00 | 49.90 | 50.31 | 51.14 | 51.75 | 51.81 | 51.44 | 50.84 | 50.58 | 50.71 | 50.77 | 50.73 | 50.82 | 50.67 | 50.76 | 50.77 | 50.64 | 50.71 | 50.88 | 50.73 | 50.86 | 51.18 | 51.38 | 50.91 | 50.85 | — | — | — |
| 〃 c | 48.44 48.30 | 48.32 48.52 | 48.96 | 49.90 | 50.58 | 50.74 | 50.42 | 49.96 | 49.24 | 49.46 | 49.52 | 49.56 | 49.56 | 49.62 | 49.56 | 49.56 | 49.50 | 49.42 | 49.36 | 49.40 | 49.44 | 49.60 | 49.74 | 49.36 49.14 | 49.54 | — | — | — |
| 〃 d | 49.05 49.10 | 48.95 48.90 | 49.45 | 50.27 | 50.90 | 50.77 | 50.15 | 49.45 | 49.22 | 49.50 | 49.32 | 48.95 | 49.47 | 49.30 | 49.45 | 49.80 | 49.25 | 49.75 | 50.27 | 49.47 | 49.50 | 50.22 | 50.65 | 50.20 50.37 | 49.73 | — | — | — |

(1932)

Table 7

## Declination (West) 3°00'0+.....'

December 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 48.3 | 48.6 | 49.3 | 50.5 | 51.2 | 50.9 | 50.1 | 49.4 | 49.1 | 49.4 | 50.2 | 49.6 | 49.9 | 49.7 | 49.6 | 49.6 | 49.5 | 49.8 | 49.4 | 49.8 | 49.8 | 49.5 | 49.6 | 48.8 | 49.65 | 51.3 | 48.3 | 3.0 |
| 2 | 48.0 | 47.9 | (48.2) | 48.8 | 50.4 | 50.9 | 50.6 | 49.9 | 49.2 | 49.4 | 49.3 | 49.5 | 49.5 | 49.6 | 49.4 | 49.4 | 49.5 | 49.3 | 49.2 | 48.8 | 49.1 | 48.9 | 49.4 | 49.3 | 49.31 | 51.0 | 47.7 | 3.3 |
| 3 | 48.6 | 48.8 | 49.7 | 50.5 | 50.9 | 51.4 | 50.6 | 49.9 | 49.2 | 49.6 | 49.7 | 49.9 | 49.9 | 49.7 | 49.5 | 49.5 | 49.5 | 49.4 | 49.4 | 49.3 | 49.7 | 50.1 | 49.9 | 49.6 | 49.76 | 51.5 | 48.5 | 3.0 |
| 4 | 48.9 | 48.7 | 49.2 | 50.5 | 50.7 | 50.4 | 50.1 | 49.2 | 48.9 | 49.3 | 49.6 | 49.5 | 49.5 | 49.3 | 49.6 | 49.7 | 49.5 | 49.0 | 49.4 | 49.1 | 49.3 | 49.6 | 50.0 | 49.7 | 49.53 | 51.0 | 48.6 | 2.4 |
| 5 c | 48.9 | 48.0 | 47.9 | 48.3 | 49.2 | 50.1 | 50.1 | 49.6 | 48.9 | 49.2 | 49.5 | 49.7 | 49.7 | 49.8 | 49.6 | 49.5 | 49.5 | 49.4 | 49.3 | 49.5 | 49.6 | 49.7 | 50.3 | 50.1 | 49.39 | 50.5 | 47.7 | 2.8 |
| 6 | 49.6 | 48.4 | 48.5 | 50.4 | 51.0 | 50.6 | 50.0 | 49.2 | 48.9 | 49.0 | 49.3 | 49.7 | 49.4 | 49.6 | 49.5 | 49.5 | 49.3 | 49.5 | 49.5 | 49.5 | 49.7 | 49.7 | 49.8 | 50.0 | 49.57 | 51.1 | 48.2 | 2.9 |
| 7 c | 49.0 | 49.0 | 49.2 | 49.9 | 50.2 | 50.4 | 50.1 | 49.7 | 49.3 | 49.2 | 49.3 | 49.2 | 49.2 | 49.3 | 49.3 | 49.2 | 49.3 | 49.3 | 49.4 | 49.6 | 49.6 | 49.7 | 49.8 | 49.7 | 49.50 | 50.4 | 48.6 | 1.8 |
| 8 d | 49.5 | 48.7 | 48.8 | 49.2 | 50.0 | 50.9 | 50.5 | 50.2 | 49.2 | 48.9 | 49.3 | 49.7 | 50.0 | 49.6 | 49.4 | 49.4 | 49.2 | 49.1 | 49.1 | 49.1 | 49.5 | 49.7 | 50.7 | 51.7 | 49.64 | 52.2 | 48.7 | 3.5 |
| 9 | 51.6 | 51.2 | 50.2 | 49.7 | 49.6 | 49.6 | 49.4 | 49.1 | 48.1 | 47.4 | 48.9 | 48.8 | 48.8 | 48.8 | 48.8 | 49.8 | 48.8 | 48.9 | 49.3 | 49.8 | 50.2 | 50.7 | 50.4 | 50.3 | 49.51 | (50.8) | 47.0 | 3.8 |
| 10 | 49.8 | 49.6 | 49.4 | 50.1 | 50.1 | 50.0 | 50.0 | 49.7 | 49.4 | 49.5 | 49.8 | 49.8 | 49.7 | 49.7 | 49.1 | 49.5 | 49.6 | 49.5 | 49.7 | 50.0 | 49.5 | 49.4 | 50.1 | 50.1 | 49.71 | 50.4 | 48.6 | 1.8 |
| 11 | 49.4 | 48.9 | 48.7 | 49.3 | 49.6 | 49.8 | 50.0 | 49.8 | 49.6 | 49.6 | 49.8 | 49.6 | 49.6 | 49.7 | 49.6 | 49.5 | 49.5 | 49.6 | 49.5 | 49.5 | 49.7 | 49.8 | 50.5 | 49.6 | 49.59 | 50.6 | 48.5 | 2.1 |
| 12 c | 48.4 | 47.6 | 47.9 | 49.1 | 49.6 | 49.8 | 49.9 | 49.5 | 49.5 | 49.2 | 49.2 | 49.6 | 49.7 | 49.7 | 49.6 | 49.6 | 49.6 | 49.5 | 49.6 | 49.6 | 49.7 | 49.7 | 49.8 | 49.7 | 49.38 | 50.0 | 47.5 | 2.5 |
| 13 | 49.2 | 48.9 | 49.3 | 49.6 | 49.6 | 49.8 | 49.8 | 49.9 | 49.2 | 49.2 | 49.5 | 49.6 | 48.8 | 49.5 | 49.3 | 49.2 | 48.7 | 49.7 | 48.8 | 49.2 | 49.4 | 50.3 | 50.9 | 50.4 | 49.49 | 51.0 | 48.4 | 2.6 |
| 14 d | 49.2 | 48.5 | 49.2 | 49.4 | 49.8 | 49.8 | 49.4 | 49.2 | 48.5 | 48.8 | 48.7 | 49.4 | 47.7 | 48.8 | 48.4 | 49.2 | 49.7 | 47.9 | 46.4 | 48.6 | 49.5 | 52.1 | 51.8 | 53.0 | 49.29 | 53.2 | 46.1 | 7.1 |
| 15 d | 52.8 | 52.8 | 51.9 | 52.5 | 52.2 | 51.4 | 50.4 | 49.4 | 49.2 | 48.9 | 49.5 | 49.7 | 49.6 | 49.7 | 49.4 | 48.4 | 49.1 | 49.3 | 48.2 | 49.7 | 48.5 | 49.2 | 51.9 | 52.7 | 50.27 | 53.4 | 48.0 | 5.4 |
| 16 d | 51.6 | 52.4 | 51.8 | 51.7 | 51.8 | 50.9 | 50.5 | 49.2 | 49.1 | 49.4 | 49.7 | 48.7 | 49.2 | 49.4 | 49.6 | 49.5 | 49.5 | 49.2 | 48 9 | 49.4 | 49.5 | 50.4 | 50.9 | 49.5 | 50.07 | — | — | — |
| 17 d | 49.2 | 49.5 | 49.9 | 50.2 | 50.4 | 50.1 | 49.8 | 49.4 | 48.9 | 48.9 | 49.6 | 49.4 | 49.3 | 49.4 | 49.4 | 49.7 | 49.2 | 49.2 | 50.0 | 51.0 | 49.7 | 49.9 | 50.1 | 50.3 | 49.69 | 52.1 | 48.2 | 3.9 |
| 18 | 49.8 | 49.2 | 49.6 | 50.4 | 50.2 | 50.0 | 50.1 | 49.7 | 49.1 | 49.6 | 50.1 | 49.2 | 49.2 | 49.3 | 49.0 | 49.9 | 50.0 | 49.8 | 50.1 | 50.0 | 50.2 | 50.0 | 50.3 | 50.7 | 49.81 | 50.9 | 48.4 | 2.5 |
| 19 | 50.0 | 49.6 | 49.3 | 49.7 | 50.1 | 49.9 | 50.0 | 49.9 | 49.9 | 49.1 | 49.2 | 49.5 | 49.6 | 49.6 | 48.7 | 49.5 | 49.4 | 49.7 | 49.6 | 50.0 | 50.4 | 50.1 | 50.1 | 50.4 | 49.72 | 50.9 | 48.7 | 2.2 |
| 20 | 50.0 | 48.9 | 48.6 | 49.0 | 49.6 | 49.7 | 49.3 | 49.5 | 49.0 | 49.4 | 49.0 | 49.7 | 49.9 | 49.8 | 49.7 | 49.6 | 49.5 | 49.6 | 49.7 | 49.7 | 49.7 | 49.7 | 50.0 | 49.9 | 49.52 | 50.1 | 48.3 | 1.8 |
| 21 c | 49.2 | 48.1 | 48.7 | 49.5 | 49.8 | 49.9 | 49.9 | 49.2 | 48.9 | 49.2 | 49.5 | 49.5 | 49.6 | 49.7 | 49.7 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.7 | 49.48 | 50.1 | 48.1 | 2.0 |
| 22 | 49.4 | 49.0 | 49.4 | 49.2 | 49.2 | 49.6 | 49.9 | 49.4 | 49.1 | 49.2 | 49.4 | 49.5 | 49.5 | 49.6 | 49.7 | 49.5 | 49.6 | 49.4 | 49.4 | 49.4 | 50.1 | 50.0 | 49.9 | 49.8 | 49.51 | 50.2 | 48.9 | 1.3 |
| 23 c | 48.9 | 48.2 | 48.5 | 49.2 | 49.7 | 50.4 | 50.5 | 49.8 | 48.8 | 49.1 | 49.2 | 49.8 | 49.8 | 49.7 | 49.6 | 49.6 | 49.6 | 49.7 | 49.6 | 49.6 | 49.9 | 50.1 | 50.4 | 50.1 | 49.57 | 50.5 | 48.2 | 2.3 |
| 24 | 48.9 | 48.0 | 48.5 | 49.2 | 49.7 | 49.9 | 50.0 | 49.6 | 48.9 | 48.9 | 49.1 | 49.6 | 49.3 | 49.5 | 49.5 | 49.4 | 49.5 | 49.6 | 49.6 | 49.8 | 49.7 | 49.8 | 50.1 | 50.0 | 49.42 | 50.1 | 48.1 | 2.0 |
| 25 | 49.2 | 48.5 | 48.9 | 50.1 | 50.5 | 50.4 | 50.0 | 49.1 | 48.2 | 48.4 | 48.6 | 49.4 | 49.5 | 49.2 | 49.6 | 49.2 | 49.5 | 49.6 | 49.5 | 49.5 | 49.9 | 50.1 | 50.0 | 50.0 | 49.45 | 50.5 | 48.2 | 2.3 |
| 26 | 49.4 | 49.7 | 50.1 | 50.4 | 50.0 | 49.9 | 49.5 | 49.3 | 49.2 | 49.5 | 49.6 | 49.6 | 49.6 | 49.7 | 49.2 | 49.4 | 49.5 | 49.6 | 49.5 | 49.5 | 48.5 | 49.7 | 50.0 | 49.9 | 49.60 | 50.6 | 48.4 | 2.2 |
| 27 | 49.4 | 49.1 | 50.8 | 51.9 | 50.6 | 50.3 | 50.2 | 50.0 | 49.2 | 49.6 | 49.8 | 49.9 | 49.8 | 49.5 | 49.9 | 50.0 | 49.5 | 49.6 | 49.4 | 49.6 | 49.7 | 50.0 | 49.9 | 49.8 | 49.90 | 52.1 | 49.1 | 3.0 |
| 28 | 49.1 | 48.7 | 49.0 | 49.8 | 50.4 | 50.8 | 50.4 | 50.1 | 49.4 | 49.4 | 49.6 | 49.7 | 49.6 | 49.5 | 49.6 | 48.7 | 49.8 | 49.3 | 49.1 | 49.7 | 49.2 | 49.7 | 50.0 | 50.3 | 49.62 | 50.9 | 48.6 | 2.3 |
| 29 | 49.6 | 48.6 | 48.7 | 49.6 | 49.8 | 49.8 | 49.6 | 49.7 | 49.2 | 49.2 | 49.7 | 49.6 | 49.7 | 49.8 | 49.3 | 49.6 | 49.7 | 49.0 | 49.4 | 49.6 | 49.7 | 49.8 | 49.8 | — | — | 50.0 | 48.5 | 1.5 |
| 30 | — | — | — | — | — | — | — | — | — | — | 49.5 | 49.6 | 49.6 | 49.8 | 49.6 | 49.6 | 49.5 | 49.6 | 49.2 | 48.8 | 49.5 | 49.2 | 49.6 | 50.4 | — | 50.6 | 48.7 | 1.9 |
| 31 | 49.6 | 49.3 | 50.0 | (50.9) | 50.4 | 50.8 | 50.2 | 49.7 | 48.8 | 49.2 | 49.2 | 49.6 | 49.7 | 49.8 | 49.6 | 49.6 | 49.5 | 49.4 | 49.7 | 49.3 | 49.6 | 49.5 | 49.2 | 49.5 | 49.67 | — | — | — |
| mean. | 49.48 | 49.08 | 49.31 | 49.95 | 50.21 | 50.26 | 50.03 | 49.58 | 49.06 | 49.16 | 49.43 | 49.58 | 49.48 | 49.53 | 49.41 | 49.46 | 49.46 | 49.38 | 49.31 | 49.56 | 49.61 | 49.89 | 50.18 | 50.16 | 49.60 | — | — | — |
| 〃 c | 48.88 49.32 | 48.18 48.60 | 48.44 | 49.20 | 49.70 | 50.12 | 50.10 | 49.56 | 49.08 | 49.18 | 49.34 | 49.56 | 49.60 | 49.64 | 49.56 | 49.50 | 49.52 | 49.50 | 49.50 | 49.60 | 49.72 | 49.80 | 50.02 | 49.80 49.86 | 49.46 | — | — | — |
| 〃 d | 50.46 51.00 | 50.38 51.02 | 50.32 | 50.60 | 50.84 | 50.62 | 50.12 | 49.48 | 48.98 | 48.98 | 49.36 | 49.38 | 49.16 | 49.38 | 49.24 | 49.24 | 49.34 | 48.94 | 48.52 | 49.56 | 49.34 | 50.26 | 51.08 | 51.06 51.44 | 49.79 | — | — | — |

Table 8 Declination (West) 3°00'0+.....' January 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Mix | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 49.3 | 49.8 | 50.5 | 51.3 | 51.2 | 50.5 | 49.8 | 49.3 | 49.3 | 49.2 | 48.8 | 49.3 | 49.7 | 49.5 | 49.2 | 48.9 | 49.7 | 50.4 | 49.5 | 49.5 | 50.7 | 49.1 | 49.4 | 50.2 | 49.75 | 51.5 | 48.4 | 3.1 |
| 2 | 49.5 | 48.5 | 49.7 | 50.7 | 50.5 | 51.0 | 50.2 | (49.6) | 49.4 | 49.4 | 49.3 | 49.6 | 49.3 | 49.4 | 49.7 | 49.8 | 49.9 | 49.9 | 49.8 | 50.1 | 49.6 | 50.3 | 50.3 | 50.2 | 49.82 | 51.3 | 48.3 | 3.0 |
| 3 | 49.4 | 48.8 | 49.8 | 51.3 | 51.3 | 50.4 | 50.3 | 49.9 | 49.4 | 49.1 | 48.9 | 49.3 | 49.3 | 49.3 | 49.4 | 49.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.9 | 49.8 | 49.9 | 49.6 | 49.74 | 51.4 | 48.7 | 2.7 |
| 4 c | 48.7 | 48.4 | 48.3 | 48.8 | 50.1 | 50.8 | 50.7 | 50.2 | 49.7 | 49.3 | 49.4 | 49.5 | 49.5 | 49.6 | 49.5 | 49.7 | 49.6 | 49.8 | 49.8 | 49.8 | 49.9 | 50.0 | 50.1 | 49.7 | 49.62 | 50.9 | 48.1 | 2.8 |
| 5 c | 49.0 | 48.4 | (48.9) | 49.7 | 50.5 | 50.8 | 50.7 | 50.0 | 49.5 | 49.1 | 49.2 | 49.2 | 49.4 | 49.4 | 49.4 | 49.6 | 49.6 | 49.7 | 49.7 | 49.8 | 49.9 | 50.0 | 50.1 | 49.9 | 49.65 | 50.9 | 48.4 | 2.5 |
| 6 | 49.2 | 47.7 | 48.7 | 50.4 | 51.7 | 51.5 | 51.1 | 50.9 | 49.0 | 49.1 | 49.5 | 50.0 | 49.8 | 49.1 | 47.9 | 49.1 | 49.6 | 50.1 | 50.1 | 50.5 | 50.7 | 50.2 | 50.4 | 50.0 | 49.85 | 51.8 | 47.5 | 4.3 |
| 7 | 49.2 | 48.7 | 49.2 | 50.1 | 50.7 | 51.2 | 51.0 | 50.2 | 49.2 | 49.3 | 49.5 | 49.6 | 49.6 | 49.7 | 49.5 | 49.6 | 49.6 | 49.4 | 48.3 | 49.8 | 50.0 | 50.2 | 50.4 | 49.8 | 49.74 | 51.5 | 48.3 | 3.2 |
| 8 | 48.7 | 48.5 | 48.7 | 49.6 | 50.7 | 50.8 | 49.8 | 49.3 | 49.5 | 49.6 | 49.5 | 49.6 | 48.9 | 49.2 | 49.6 | 49.6 | 49.7 | 49.8 | 50.2 | 50.0 | 50.0 | 50.1 | 50.1 | 49.8 | 49.64 | 50.9 | 48.4 | 2.5 |
| 9 | 48.5 | 48.1 | 48.3 | 49.2 | 49.8 | 50.0 | 49.8 | 49.4 | 49.2 | 49.2 | 49.4 | 49.4 | 49.6 | 49.2 | 49.3 | 49.6 | 49.8 | 49.6 | 49.8 | 49.8 | 49.9 | 49.9 | 50.1 | 50.2 | 49.46 | 50.2 | 48.0 | 2.2 |
| 10 c | 49.1 | 48.3 | 48.9 | 50.4 | 50.9 | 51.4 | 51.0 | 49.8 | 48.7 | 49.1 | 49.5 | 49.6 | 49.7 | 49.7 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.4 | 49.5 | 49.6 | 49.6 | 48.9 | 49.63 | 51.5 | 48.3 | 3.2 |
| 11 c | 47.8 | 47.7 | 48.7 | 49.8 | 50.5 | 50.7 | 50.6 | 49.7 | 48.8 | 49.0 | 49.3 | 49.4 | 49.7 | 49.7 | 49.7 | 49.5 | 49.6 | 49.5 | 49.5 | 49.5 | 49.5 | 49.6 | 49.8 | 49.4 | 49.46 | 50.8 | 47.5 | 3.3 |
| 12 | 48.2 | 48.2 | 48.8 | 50.1 | 50.3 | 50.1 | 50.0 | 49.3 | 48.8 | 48.8 | 49.0 | 49.4 | 49.4 | 49.5 | 49.3 | 49.6 | 49.6 | 49.5 | 49.5 | 49.6 | 49.7 | 49.9 | 49.7 | 49.2 | 49.40 | 50.4 | 47.8 | 2.6 |
| 13 | 47.8 | 48.2 | 48.9 | 49.6 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.6 | 49.5 | 49.4 | 49.2 | 50.1 | 50.4 | 49.5 | 49.5 | 49.3 | 49.2 | 48.1 | 49.5 | 49.8 | 49.8 | 49.44 | 50.4 | 47.8 | 2.6 |
| 14 | 48.6 | 49.4 | 50.4 | 51.1 | 50.9 | 50.7 | 49.7 | 48.5 | 48.4 | 48.6 | 49.5 | 50.3 | 50.3 | 49.6 | 48.8 | 48.4 | 48.4 | 48.5 | 48.9 | 48.7 | 48.9 | 49.0 | 48.9 | 49.0 | 49.31 | 51.1 | 48.3 | 2.8 |
| 15 | 49.0 | 49.1 | (49.6) | 50.1 | 49.9 | 50.0 | 50.2 | 50.2 | 50.0 | 50.0 | 49.8 | 49.7 | 49.6 | 49.6 | 49.5 | 49.5 | 49.7 | 49.6 | 49.7 | 50.0 | 50.0 | 50.0 | 50.9 | 49.5 | 49.80 | 51.0 | 48.4 | 2.6 |
| 16 | 48.4 | 48.2 | 49.3 | 50.6 | 50.8 | 50.2 | 49.2 | 46.8 | 48.3 | 48.7 | 49.4 | 50.2 | 50.0 | 49.8 | 50.0 | 49.6 | 49.7 | 49.8 | 49.7 | 49.8 | 49.7 | 49.6 | 49.5 | 49.1 | 49.43 | 51.0 | 48.1 | 2.9 |
| 17 | 48.5 | 47.7 | 48.8 | 52.1 | 52.3 | 52.8 | 51.1 | 49.6 | 48.7 | 48.2 | 49.1 | 49.4 | 49.4 | 48.6 | 49.6 | 49.7 | 49.8 | 49.8 | 49.6 | 49.6 | 49.5 | 49.4 | 49.3 | 48.3 | 49.60 | 52.7 | 47.1 | 5.6 |
| 18 | 47.1 | 48.1 | 50.0 | 51.9 | 51.2 | 50.0 | 48.9 | 48.5 | 48.4 | 49.0 | 48.4 | 49.4 | 49.4 | 49.7 | 49.7 | 49.7 | 49.6 | 49.6 | 49.5 | 49.6 | 49.9 | 49.7 | 49.7 | 48.7 | 49.41 | 52.0 | 47.1 | 4.9 |
| 19 d | 47.4 | 47.2 | 48.4 | 50.0 | 51.2 | 50.6 | 49.4 | 48.2 | 48.3 | 48.7 | 49.1 | 49.2 | 49.2 | 49.4 | 49.8 | 49.9 | 50.8 | 48.1 | 49.2 | 49.7 | 51.0 | 50.0 | 49.8 | 50.5 | 49.38 | 51.4 | 47.0 | 4.4 |
| 20 | 50.0 | 49.3 | 49.5 | 50.2 | 50.1 | 49.9 | 49.8 | 48.5 | 48.5 | 48.6 | 48.8 | 49.2 | 49.2 | 49.5 | 49.6 | 49.6 | 49.7 | 49.8 | 49.6 | 49.6 | 49.8 | 49.9 | 49.9 | 49.2 | 49.49 | 50.2 | 48.4 | 1.8 |
| 21 c | 48.3 | 47.8 | 48.9 | 50.3 | 51.5 | 50.9 | 50.2 | 49.1 | 48.7 | 48.7 | 48.9 | 49.2 | 49.1 | 49.4 | 49.1 | 49.2 | 49.4 | 49.4 | 49.5 | 49.4 | 49.6 | 49.8 | 49.7 | 49.7 | 49.41 | 51.6 | 47.7 | 3.9 |
| 22 d | 48.1 | 47.6 | 48.4 | 50.1 | 52.1 | 52.1 | 50.9 | 48.8 | 48.9 | 48.9 | 49.1 | 49.4 | 49.4 | 49.4 | 49.2 | 48.8 | 47.6 | 48.2 | 49.3 | 50.0 | 49.3 | 49.8 | 50.3 | 49.9 | 49.40 | 52.5 | 47.5 | 5.0 |
| 23 | 48.7 | 48.6 | 49.7 | 51.0 | 51.8 | 52.0 | 51.2 | 49.9 | 48.8 | 49.6 | 49.6 | 50.1 | 49.8 | 49.4 | 49.5 | 49.1 | 49.1 | 49.3 | 49.3 | 48.9 | 49.0 | 48.9 | 49.9 | 50.1 | 49.72 | 52.3 | 48.2 | 4.1 |
| 24 | 49.3 | 49.2 | 49.4 | 50.6 | 50.6 | 51.1 | 50.9 | 49.8 | 49.4 | 49.1 | 49.7 | 50.1 | 48.2 | 49.3 | 49.7 | 49.6 | 49.3 | 49.1 | 48.9 | 48.9 | 49.1 | 49.3 | 49.6 | 48.9 | 49.55 | 51.9 | 47.9 | 4.0 |
| 25 | 48.3 | 47.9 | (48.5) | 49.2 | 49.5 | 50.0 | 50.1 | (49.8) | 49.3 | 49.4 | 49.9 | 49.7 | 49.4 | 49.7 | 48.4 | 47.9 | 48.6 | 49.4 | 49.0 | 49.1 | 49.3 | 50.1 | 50.0 | 50.3 | 49.28 | 50.5 | 47.7 | 2.8 |
| 26 | 48.3 | 48.9 | 48.9 | 50.4 | 49.8 | 50.0 | 50.5 | 50.5 | 49.5 | 49.4 | 49.3 | 49.8 | 49.5 | (49.5) | 48.6 | 48.5 | 48.5 | 49.1 | 49.0 | 49.1 | 49.8 | 50.0 | 50.1 | 50.4 | 49.50 | 50.9 | 48.1 | 2.8 |
| 27 d | 50.0 | 50.4 | 50.1 | 49.3 | 50.6 | 49.7 | 50.3 | 50.2 | 49.8 | 49.7 | 50.2 | 49.4 | 50.2 | 49.7 | 49.7 | 48.9 | 49.1 | 49.4 | 48.9 | 48.9 | 49.1 | 49.6 | 50.3 | 50.1 | 49.73 | 51.0 | 47.8 | 3.2 |
| 28 d | 49.3 | 49.5 | 49.7 | 50.4 | 49.8 | 49.4 | 49.3 | 49.5 | 49.5 | 50.0 | 49.1 | 50.1 | 49.9 | 50.2 | 50.0 | 49.9 | 50.6 | 48.8 | 49.7 | 49.1 | 49.1 | 49.6 | 49.9 | 48.7 | 49.63 | 51.5 | 48.5 | 3.0 |
| 29 | 48.5 | 48.8 | 49.4 | 50.3 | 50.8 | 50.6 | 50.1 | 49.6 | 49.4 | 49.5 | 49.6 | 50.2 | 50.1 | 49.9 | 49.7 | 49.6 | 49.4 | 49.4 | 49.4 | 49.7 | 49.9 | 50.2 | 49.6 | 49.3 | 49.71 | 51.0 | 48.4 | 2.6 |
| 30 | 48.4 | 48.3 | 49.0 | 49.4 | 49.6 | 49.5 | 50.2 | 50.0 | 49.9 | 50.2 | 49.8 | 49.9 | 49.9 | 50.1 | 50.3 | 49.5 | 49.3 | 49.7 | 49.6 | 49.5 | 49.5 | 49.8 | 50.0 | 48.9 | 49.60 | 50.3 | 48.0 | 2.3 |
| 31 | 48.7 | 48.8 | 49.3 | 50.4 | 51.6 | 51.7 | 50.9 | 49.7 | 48.6 | 49.5 | 49.8 | 49.7 | 49.7 | 49.8 | 49.4 | 49.5 | 49.5 | 49.8 | 49.6 | 49.5 | 49.6 | 49.6 | 49.6 | 48.7 | 49.71 | 52.2 | 47.1 | 5.1 |
| mean | 48.70 | 48.52 | 49.18 | 50.27 | 50.71 | 50.63 | 50.24 | 49.50 | 49.12 | 49.22 | 49.35 | 49.63 | 49.54 | 49.52 | 49.45 | 49.40 | 49.47 | 49.46 | 49.46 | 49.55 | 49.69 | 49.76 | 49.89 | 49.55 | 49.58 | — | — | — |
| 〃 c | 48.58 48.46 | 48.12 47.92 | 48.74 | 49.80 | 50.70 | 50.92 | 50.64 | 49.76 | 49.08 | 49.04 | 49.26 | 49.38 | 49.48 | 49.56 | 49.46 | 49.52 | 49.56 | 49.60 | 49.62 | 49.58 | 49.68 | 49.80 | 49.86 | 49.52 49.52 | 49.55 | — | — | — |
| 〃 d | 48.82 49.20 | 48.90 48.94 | 49.42 | 50.22 | 50.98 | 50.46 | 49.94 | 49.20 | 49.16 | 49.30 | 49.26 | 49.48 | 49.68 | 49.64 | 49.58 | 49.28 | 49.56 | 48.98 | 49.32 | 49.44 | 49.84 | 49.62 | 49.94 | 49.68 49.88 | 49.58 | — | — | — |

(1936)

Table 9 — Declination (West) 3°00′0+.....′ — February 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 47.1 | 46.9 | 47.9 | 49.4 | 49.9 | 49.9 | 49.8 | 49.3 | 49.4 | 49.4 | 49.6 | 49.7 | 49.9 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.6 | 49.3 | 49.3 | 48.1 | 49.27 | 50.0 | 46.4 | 3.6 |
| 2 | 46.4 | 47.7 | 49.4 | 51.6 | 53.0 | 53.2 | 52.6 | 51.3 | 50.6 | 49.9 | 50.6 | 49.4 | 49.7 | 49.1 | 49.7 | 49.7 | 49.1 | 48.1 | 48.6 | 49.2 | 49.6 | 49.7 | 49.8 | 48.8 | 49.87 | 53.6 | 46.4 | 7.2 |
| 3 | 47.8 | 47.3 | 47.8 | 48.8 | 49.7 | 49.9 | 49.7 | 49.5 | 49.4 | 49.4 | 49.5 | 49.3 | 49.8 | 49.7 | 49.6 | 49.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7 | 49.7 | 50.0 | 49.6 | 49.36 | 50.0 | 47.2 | 2.8 |
| 4 | 48.0 | 48.3 | 48.6 | 49.1 | 49.7 | 50.2 | (50.6) | 50.6 | 50.2 | 49.5 | 49.7 | 49.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 c | — | — | — | 48.3 | 49.1 | 49.8 | 50.2 | 49.9 | 50.0 | 49.8 | 49.8 | 49.7 | 49.7 | 49.5 | 49.5 | 49.5 | 49.4 | 49.4 | 49.5 | 49.5 | 49.7 | 49.7 | 49.8 | 48.8 | — | — | — | — |
| 7 | 48.0 | 48.0 | 48.2 | 48.8 | 49.5 | 49.9 | 49.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 8 | — | — | — | — | — | — | — | — | — | 50.3 | 50.5 | 50.2 | 49.9 | 49.8 | 49.6 | 49.5 | 49.6 | 49.5 | 49.6 | 49.6 | 49.7 | 50.3 | 50.1 | 49.9 | — | — | — | — |
| 9 | 49.6 | 49.5 | 50.2 | 50.6 | 50.8 | 50.8 | 50.4 | 50.3 | 49.9 | 50.2 | 50.2 | 50.2 | 49.9 | 49.9 | 49.9 | 49.7 | 49.3 | 49.6 | 49.5 | 49.4 | 49.5 | 50.0 | 50.0 | 49.5 | 49.93 | 50.9 | 48.9 | 2.0 |
| 10 | 48.9 | 49.3 | 50.4 | 51.3 | 51.3 | 50.8 | 50.1 | 49.7 | 49.5 | 49.8 | 49.9 | 49.9 | 49.8 | 49.7 | 49.8 | 49.7 | 49.5 | 49.6 | 49.6 | 49.6 | 49.7 | 50.0 | 50.0 | 49.0 | 49.87 | 51.3 | 48.0 | 3.3 |
| 11 c | 48.1 | 48.8 | 49.5 | 51.7 | 52.2 | 51.2 | 50.0 | 49.7 | 49.1 | 49.2 | 49.4 | 49.5 | 49.7 | 49.8 | 49.7 | 49.6 | 49.8 | 49.6 | 49.4 | 49.5 | 49.6 | 49.8 | 49.5 | 48.1 | 49.69 | 52.4 | 46.9 | 5.4 |
| 12 | 46.9 | 47.7 | — | — | — | — | — | — | — | — | — | 49.4 | 49.6 | — | — | — | 50.2 | 50.2 | — | — | — | — | 49.6 | 48.5 | — | — | — | — |
| 13 c | 47.9 | 48.6 | 50.2 | (51.5) | (52.0) | 51.6 | 50.5 | 49.4 | 48.8 | 49.0 | 49.4 | 49.7 | 50.0 | 50.5 | 50.5 | 50.4 | 50.4 | 50.5 | 50.4 | (50.4) | (50.4) | (50.5) | (50.5) | (49.0) | — | — | — | — |
| 14 | (48.5) | (48.7) | — | 50.8 | 52.0 | 52.1 | 50.8 | 49.5 | 48.4 | 48.7 | 49.1 | 49.6 | 49.7 | 48.9 | 49.5 | 49.9 | 49.6 | 49.8 | 49.7 | 50.3 | 51.1 | 50.0 | 49.6 | 48.8 | — | — | — | — |
| 15 | 48.1 | 48.5 | 49.5 | 50.0 | 50.0 | 49.9 | 49.9 | 49.2 | 48.8 | 49.3 | 49.7 | 49.8 | 49.6 | 49.1 | 49.6 | 49.6 | 49.7 | 48.9 | 49.6 | 49.7 | 49.7 | 49.8 | 49.4 | 48.7 | 49.42 | 50.5 | 48.1 | 2.4 |
| 16 c | 48.3 | 48.6 | 49.1 | 50.4 | 50.6 | 50.1 | 49.3 | 49.1 | 49.5 | 49.9 | 49.6 | 49.7 | 49.7 | 49.7 | 49.8 | 49.6 | 49.6 | 49.8 | 49.7 | 49.8 | 49.7 | 49.6 | 49.5 | 49.3 | 49.58 | 50.7 | 48.2 | 2.5 |
| 17 c | 48.9 | 49.0 | 49.9 | 51.3 | 51.8 | 51.5 | 50.8 | 49.9 | 49.2 | (49.1) | 49.6 | (49.6) | 49.6 | 49.6 | 49.7 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 48.7 | 49.79 | 51.8 | 48.8 | 3.0 |
| 18 | 48.3 | 48.7 | 49.5 | 49.9 | 50.9 | 50.9 | 50.3 | 50.0 | 49.4 | 49.4 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.5 | 49.5 | 49.5 | 49.3 | 49.6 | 49.4 | 49.6 | 49.3 | 49.5 | 49.62 | 51.2 | 48.3 | 2.9 |
| 19 d | 49.3 | 49.6 | 50.7 | 52.0 | 51.7 | 51.7 | 50.8 | 49.6 | 49.2 | 49.1 | 49.0 | 49.8 | 50.0 | 50.6 | 49.6 | 49.3 | 49.0 | 49.4 | 49.8 | 52.5 | 49.6 | 50.0 | 50.2 | 50.1 | 50.11 | 53.5 | 48.8 | 4.7 |
| 20 | 53.5 | 52.6 | 52.0 | 51.1 | 51.2 | 51.2 | 49.6 | 49.9 | 49.9 | 50.4 | 49.6 | 50.4 | 50.4 | 48.0 | 50.0 | 49.8 | 49.6 | 49.3 | 49.0 | 49.5 | 49.2 | 49.6 | 49.8 | 49.8 | 50.22 | 53.5 | 47.9 | 5.5 |
| 21 d | 50.8 | 49.9 | 50.0 | 51.2 | 53.2 | 51.7 | 49.9 | 49.6 | 49.6 | 49.9 | 49.9 | 49.6 | 50.5 | 49.6 | 49.7 | 49.0 | 49.5 | 48.5 | 48.5 | 49.9 | 49.1 | 49.2 | 50.5 | 51.9 | 50.05 | 53.5 | 47.6 | 5.9 |
| 22 d | 51.2 | 53.5 | 52.3 | 52.2 | 50.8 | 50.5 | 50.3 | 49.5 | 48.7 | 47.8 | 49.9 | 50.3 | 49.5 | 49.3 | 49.1 | 49.5 | 49.3 | 49.3 | 50.2 | 49.9 | 49.0 | 49.5 | 49.9 | 50.1 | 50.07 | 53.5 | 47.8 | 5.7 |
| 23 d | 50.6 | 49.7 | 50.1 | 51.1 | 50.8 | 50.9 | 50.0 | 49.3 | 48.4 | 49.4 | 50.0 | 49.7 | 49.9 | 50.0 | 48.1 | 48.7 | 49.3 | 49.7 | 49.5 | 49.3 | 50.6 | 49.5 | 50.0 | 50.0 | 49.77 | 52.3 | 47.7 | 4.6 |
| 24 d | 51.1 | 49.5 | 51.1 | 50.8 | 50.8 | 50.6 | 49.9 | 49.9 | 49.1 | 50.4 | 49.1 | 50.8 | 48.4 | 50.2 | 49.9 | 49.9 | 49.3 | 50.3 | 49.3 | 48.0 | 49.1 | 49.5 | 52.6 | 49.8 | 49.97 | 53.4 | 47.4 | 6.0 |
| 25 | 50.0 | 50.2 | 50.9 | 51.4 | 51.3 | 50.6 | 50.0 | 49.5 | 49.3 | 49.3 | 49.6 | 49.3 | 50.8 | 50.0 | 50.0 | 49.8 | 49.8 | 49.8 | 49.8 | 50.2 | 49.6 | 49.3 | 50.2 | 50.0 | 50.03 | 51.6 | 48.9 | 2.7 |
| 26 | 50.6 | 50.8 | — | — | — | — | 49.6 | 49.6 | 49.1 | 49.3 | 49.4 | 49.1 | 49.8 | 50.1 | 50.0 | 50.0 | 49.6 | 49.9 | 49.6 | 49.4 | 49.8 | 50.4 | 51.3 | 49.2 | — | — | — | — |
| 27 | 49.2 | 49.8 | 51.1 | 52.1 | 52.2 | 51.3 | 50.6 | 49.1 | 48.7 | 49.3 | 49.9 | 49.6 | 49.6 | 50.0 | 49.9 | 49.7 | 49.6 | 49.5 | 49.4 | 49.1 | 49.1 | 49.6 | 50.0 | 49.3 | 49.92 | 52.9 | 48.7 | 4.2 |
| 28 | 49.6 | 49.8 | 50.5 | 52.0 | 52.8 | 52.1 | 50.8 | 50.0 | 49.4 | 49.1 | 49.6 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.6 | 49.4 | 49.4 | 49.5 | 49.3 | 49.5 | 49.1 | 48.1 | 49.94 | 52.9 | 47.3 | 5.6 |
| 29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 49.31 | 49.42 | 50.10 | 50.99 | 51.32 | 50.98 | 50.26 | 49.71 | 49.32 | 49.49 | 49.69 | 49.79 | 49.80 | 49.65 | 49.64 | 49.58 | 49.49 | 49.43 | 49.45 | 49.66 | 49.51 | 49.62 | 49.96 | 49.39 | 49.81 | — | — | — |
| 〃 c | 48.30 48.15 | 48.75 48.52 | 49.67 | 51.22 | 51.65 | 51.10 | 50.15 | 49.52 | 49.15 | 49.30 | 49.50 | 49.62 | 49.75 | 49.90 | 49.92 | 49.80 | 49.85 | 49.87 | 49.77 | 49.82 | 49.82 | 49.87 | 49.72 | 48.87 48.77 | 49.78 | — | — | — |
| 〃 d | 50.60 51.28 | 50.44 51.10 | 50.84 | 51.46 | 51.46 | 51.08 | 50.18 | 49.58 | 49.00 | 49.32 | 49.58 | 50.04 | 49.66 | 49.94 | 49.28 | 49.28 | 49.28 | 49.44 | 49.46 | 49.92 | 49.48 | 49.54 | 50.64 | 50.26 50.38 | 49.99 | — | — | — |

Table 10

## Declination (West) 8°00′0+.....′

March 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 47.2 | 47.0 | 49.3 | 51.3 | 52.8 | 52.6 | 51.5 | 50.6 | 49.9 | 49.7 | 49.6 | 49.9 | 49.9 | 50.0 | 49.8 | 50.0 | 49.7 | 49.3 | 49.2 | 49.4 | 49.8 | 49.6 | 49.1 | 48.2 | 49.81 | 53.2 | 47.0 | 6.2 |
| 2 | 47.9 | 47.4 | 48.7 | 49.9 | 51.7 | 52.1 | 51.7 | 50.9 | 50.0 | 49.7 | 49.9 | 49.8 | 49.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.8 | 49.9 | 49.5 | 49.9 | 48.8 | 49.79 | 52.2 | 47.4 | 4.8 |
| 3 | 48.2 | 48.2 | 48.5 | 50.0 | 51.5 | 52.3 | 51.7 | 51.0 | 49.8 | 49.4 | 49.6 | 49.9 | 50.0 | 49.8 | 50.1 | 49.5 | 49.0 | 48.8 | 49.1 | 49.0 | 49.4 | 49.3 | 49.8 | 49.4 | 49.72 | 52.3 | 48.1 | 4.2 |
| 4 | 49.7 | 49.1 | (48.9) | 50.8 | 51.8 | 51.9 | 51.6 | 51.0 | 50.0 | 49.9 | 50.1 | 49.9 | 49.9 | 49.8 | 49.8 | 49.8 | 49.7 | 49.6 | 49.4 | 49.3 | 49.4 | 49.6 | 50.0 | 49.6 | 50.02 | 52.2 | 48.5 | 3.7 |
| 5 c | 48.5 | 47.8 | 48.0 | 49.8 | 51.8 | 52.4 | 52.3 | 51.1 | 49.5 | 49.3 | 49.6 | 49.8 | 49.7 | 49.8 | 49.7 | 49.8 | 49.7 | 49.6 | 49.6 | 49.5 | 49.4 | 49.3 | 49.0 | 47.4 | 49.68 | 52.4 | 46.8 | 5.6 |
| 6 c | 46.8 | 47.4 | (48.5) | 50.5 | 52.2 | 52.9 | 52.2 | 51.1 | 49.9 | 49.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 50.1 | 50.0 | 50.1 | 49.3 | 49.6 | 49.6 | 49.6 | 49.7 | 48.7 | 49.86 | 52.9 | 46.8 | 6.1 |
| 7 c | 47.5 | 47.3 | 47.9 | 49.4 | 51.1 | 51.7 | 51.4 | 50.6 | 49.9 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.5 | 49.3 | 49.3 | 49.5 | 49.6 | 49.6 | 49.8 | 48.6 | 49.54 | 51.7 | 46.9 | 4.8 |
| 8 | 47.1 | 46.2 | 46.6 | 48.7 | 50.8 | 51.7 | 51.7 | 51.1 | 50.2 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.6 | 49.3 | 49.0 | 49.1 | 49.1 | 49.3 | 49.2 | 49.3 | 49.4 | 49.2 | 49.39 | 51.8 | 46.0 | 5.8 |
| 9 c | 48.4 | 48.3 | 48.6 | 50.0 | 52.1 | 52.6 | 52.9 | 52.0 | 50.4 | 49.7 | 49.9 | 50.0 | 49.9 | 49.7 | 49.6 | 49.5 | 49.5 | 49.3 | 49.3 | 49.3 | 49.4 | 49.6 | 49.9 | (48.9) | 49.95 | 52.9 | 48.2 | 4.7 |
| 10 | 47.8 | 47.5 | 47.8 | 50.0 | 52.1 | 52.6 | 51.8 | 50.8 | 49.5 | 49.2 | 49.6 | 49.8 | 49.8 | 49.7 | 49.7 | 49.6 | 49.4 | 49.2 | 49.4 | 49.3 | 49.8 | 50.1 | 49.9 | 48.8 | 49.72 | 52.9 | 46.8 | 6.1 |
| 11 | 47.0 | 47.4 | 48.9 | 51.2 | 51.4 | 51.6 | 51.2 | 50.8 | 49.8 | 49.2 | 50.0 | 49.8 | 49.8 | 49.7 | 48.9 | 49.3 | 49.5 | 49.0 | 49.4 | 49.6 | 49.9 | 49.8 | 49.8 | 48.4 | 49.64 | 51.7 | 46.5 | 5.2 |
| 12 | 47.3 | 46.6 | (47.2) | 49.8 | 51.2 | 51.4 | 51.1 | 50.2 | 49.6 | 49.1 | 49.5 | 50.0 | 50.0 | 50.1 | 49.9 | 49.7 | 49.9 | 49.6 | 49.5 | 49.2 | 49.3 | 49.9 | 50.0 | 48.7 | 49.53 | 51.5 | 46.5 | 5.0 |
| 13 | 47.3 | 47.3 | (48.5) | 49.4 | 50.4 | 51.2 | 50.8 | 49.9 | 49.1 | 49.0 | 49.7 | 49.8 | 49.7 | 49.6 | 49.7 | 49.3 | 49.6 | 49.0 | 49.5 | 49.6 | 49.8 | 49.6 | 48.7 | 47.5 | 49.35 | 51.2 | 46.3 | 4.9 |
| 14 | 46.3 | 46.1 | 47.7 | 50.0 | 52.0 | 53.4 | 52.3 | 51.4 | 49.5 | 49.5 | 50.0 | 50.1 | 49.7 | 49.8 | 50.0 | 50 1 | 49.6 | 49.7 | 49.6 | 49.8 | 49.6 | 49.6 | 49.8 | 48.8 | 49.77 | 53.5 | 46.0 | 7.5 |
| 15 | 47.8 | 46.8 | 48.0 | 49.8 | 51.8 | 52.9 | 52.7 | 51.6 | 49.9 | 49.3 | 49.5 | 49.6 | 49.4 | 49.8 | 49.9 | 49.8 | 49.7 | 49.6 | 49.5 | 49.4 | 49.4 | 49.6 | 49.3 | 48.4 | 49.73 | 53.1 | 46.7 | 6.4 |
| 16 c | 47.1 | 46.9 | 47.9 | 49.6 | 51.1 | 51.8 | 51.9 | 50.8 | 49.8 | 49.6 | 49.7 | 49.8 | 49.9 | 49.8 | 49.8 | 49.7 | 49.9 | 49.7 | 49.6 | 49.6 | 49.6 | 49.9 | 50.2 | 49.1 | 49.70 | 52.1 | 46.9 | 5.2 |
| 17 | 47.6 | 46.4 | 46.7 | 49.2 | 51.3 | 52.3 | 52.0 | 51.0 | 49.6 | 49.0 | 49.5 | 49.8 | 49.9 | 49.4 | 49.5 | 49.1 | 49.4 | 49.3 | 49.3 | 49.3 | 49.4 | 49.7 | 49.5 | 48.6 | 49.45 | 52.3 | 46.3 | 6.0 |
| 18 d | 47.1 | 46.0 | 47.4 | 50.2 | 52.4 | 53.3 | 52.9 | 51.3 | 49.7 | 49.5 | 50.2 | 50.2 | 49.6 | 49.3 | 49.6 | 49.3 | 47.4 | 49.4 | 48.9 | 48.9 | 48.9 | 48.9 | 48.5 | 49.2 | 49.50 | 53.5 | 46.0 | 7.5 |
| 19 d | 49.1 | 47.0 | 48.1 | 50.2 | 51.4 | 52.1 | 52.4 | 51.3 | 50.0 | 49.8 | 50.0 | 50.0 | 49.3 | 50.0 | 49.5 | 49.9 | 49.1 | 48.7 | 48.8 | 49.8 | 49.5 | 50.6 | 50.5 | 50.0 | 49.88 | 52.6 | 47.0 | 5.6 |
| 20 d | 49.3 | 48.7 | 49.6 | 52.3 | 52.8 | 52.8 | 52.2 | 50.5 | 49.6 | 50.0 | 49.9 | 49.1 | 49.9 | 49.3 | 49.7 | 49.5 | 49.2 | 49.2 | 48.1 | 48.4 | 50.1 | 50.2 | 49.0 | 48.9 | 49.93 | 53.1 | 48.0 | 5.1 |
| 21 | 47.5 | 46.8 | 47.8 | 49.9 | 51.1 | 52.7 | 51.8 | 51.2 | 50.4 | 49.6 | 46.3 | 48.9 | 49.9 | 50.0 | 50.0 | 49.9 | 49.2 | 49.3 | 49.3 | 49.6 | 49.4 | 49.4 | 49.8 | 49.5 | 49.55 | 52.8 | 46.1 | 6.7 |
| 22 | 48.8 | 49.1 | (49.7) | 50.6 | 51.7 | 52.9 | 53.6 | 51.9 | 50.6 | 50.3 | 49.8 | 49.8 | 49.1 | 49.3 | 49.4 | 48.8 | 49.7 | 49.5 | 49.8 | 49.6 | 49.6 | 50.0 | 50.0 | 48.4 | 50.08 | 53.6 | 46.9 | 6.7 |
| 23 d | 46.9 | 46.8 | 47.9 | 49.9 | 52.3 | 52.7 | 51.8 | 50.8 | 50.3 | 49.5 | 49.9 | 49.0 | 49.9 | 49.3 | 49.6 | 49.2 | 48.6 | 49.2 | 48.8 | 49.0 | 49.2 | 50.2 | 50.3 | (50.3) | 49.64 | 52.8 | 46.6 | 6.2 |
| 24 d | 47.7 | 47.5 | 48.6 | 51.0 | 52.8 | 52.9 | 53.0 | 50.5 | 49.9 | 50.2 | 50.5 | 48.9 | 49.7 | 48.9 | 49.8 | 49.9 | 49.5 | 48.0 | 48.6 | 49.3 | 48.8 | 49.8 | 50.2 | 50.0 | 49.81 | 53.5 | 47.4 | 6.1 |
| 25 | 50.1 | 49.3 | 49.4 | 50.7 | 52.0 | 53.3 | 52.9 | 52.9 | 51.8 | 49.3 | 49.8 | 49.0 | 50.0 | 49.9 | 49.9 | 49.5 | 49.8 | 49.6 | 49.6 | 49.6 | 50.1 | 49.8 | 50.0 | 49.0 | 50.30 | 53.3 | 47.6 | 5.8 |
| 26 | 47.5 | 46.9 | (48.2) | 50.7 | 51.9 | 52.4 | 52.2 | 51.4 | 50.5 | 49.2 | 50.4 | 50.0 | 49.8 | 49.9 | 49.8 | 49.8 | 49.5 | 49.1 | 49.3 | 48.9 | 49.0 | 49.3 | 49.3 | 48.1 | 49.72 | 52.6 | 46.2 | 6.4 |
| 27 | 46.2 | 45.4 | 46.2 | 48.7 | 50.4 | 51.6 | 52.6 | 52.4 | 51.3 | 50.2 | 49.9 | 50.5 | 50.7 | 48.7 | 48.8 | 49.2 | 49.2 | 48.8 | 48.2 | 49.1 | 48.8 | 49.4 | 49.9 | 48.6 | 49.37 | 52.8 | 45.3 | 7.5 |
| 28 | 47.5 | 46.8 | 47.2 | 49.5 | 51.9 | 52.6 | 52.3 | 50.8 | 49.5 | 48.9 | 49.5 | 49.4 | 49.6 | 49.3 | 49.3 | 48.5 | 49.3 | 49.6 | 49.5 | 49.8 | 49.6 | 50.1 | 49.0 | 49.0 | 49.52 | 52.7 | 46.7 | 6.0 |
| 29 | 47.5 | 46.7 | 48.0 | 50.8 | 53.5 | 54.4 | 53.6 | 51.8 | 50.6 | 50.1 | 49.3 | 50.0 | 50.2 | 50.1 | 49.9 | 49.5 | 49.2 | 49.0 | 49.2 | 49.9 | 49.3 | 49.5 | 48.9 | 48.5 | 49.98 | 54.4 | 46.4 | 8.0 |
| 30 | 46.7 | 46.6 | 48.1 | 50.6 | 52.5 | 53.3 | 52.8 | 51.8 | 51.0 | 49.8 | 49.6 | 49.9 | 49.9 | 49.5 | 49.4 | 48.7 | 48.8 | 49.2 | 49.6 | 49.8 | 49.5 | 49.8 | 49.8 | 48.6 | 49.80 | 53.3 | 46.3 | 7.0 |
| 31 | 47.0 | 46.3 | 47.4 | 49.6 | 51.3 | 52.2 | 52.7 | 51.9 | 51.1 | 50.1 | 50.5 | 50.5 | 49.8 | 49.7 | 49.7 | 49.3 | 49.2 | 49.0 | 49.0 | 49.5 | 49.2 | 49.5 | 49.5 | 48.9 | 49.70 | 52.8 | 46.3 | 6.5 |
| mean | 47.71 | 47.21 | 48.11 | 50.13 | 51.76 | 52.48 | 52.18 | 51.17 | 50.09 | 49.56 | 49.71 | 49.75 | 49.81 | 49.65 | 49.66 | 49.51 | 49.37 | 49.27 | 49.24 | 49.41 | 49.46 | 49.68 | 49.63 | 48.84 | 49.72 | — | — | — |
| 〃 c | 47.66 47.36 | 47.54 46.96 | 48.18 | 49.86 | 51.66 | 52.28 | 52.14 | 51.12 | 49.90 | 49.50 | 49.70 | 49.80 | 49.78 | 49.74 | 49.70 | 49.74 | 49.72 | 49.60 | 49.42 | 49.50 | 49.52 | 49.60 | 49.72 | 48.66 48.54 | 49.75 | — | — | — |
| 〃 d | 48.02 48.74 | 47.20 47.86 | 48.32 | 50.72 | 52.24 | 52.76 | 52.46 | 50.88 | 49.90 | 49.80 | 50.10 | 49.44 | 49.68 | 49.36 | 49.64 | 49.56 | 48.76 | 48.90 | 48.64 | 49.08 | 49.30 | 49.94 | 49.70 | 49.30 49.68 | 49.75 | — | — | — |

Table 11 Declination (West) 3°00'0+..... April 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 47.0 | 45.6 | 45.9 | 48.5 | 51.1 | 52.0 | 52.3 | 51.6 | 50.9 | 50.0 | 49.8 | 50.1 | 49.8 | 49.5 | 49.5 | 49.8 | 49.3 | 49.2 | 49.0 | 49.1 | 49.4 | 49.9 | 49.2 | 48.3 | 49.45 | 52.4 | 45.3 | 7.1 |
| 2 | 47.2 | 46.3 | 47.7 | 49.8 | 52.0 | 52.9 | 53.3 | 52.3 | 50.9 | 49.6 | 49.6 | 49.7 | 49.6 | 49.7 | 49.6 | 49.5 | 49.4 | 49.4 | 49.2 | 49.1 | 49.6 | 49.9 | 49.7 | 49.4 | 49.81 | 53.4 | 46.2 | 7.2 |
| 3 | 48.0 | 47.5 | 48.3 | 49.8 | 51.4 | 52.1 | 51.4 | 50.6 | 50.7 | 49.7 | 50.5 | 50.7 | 47.6 | 50.1 | 49.9 | 49.3 | 49.0 | 48.9 | 48.6 | 48.4 | 48.4 | 49.1 | 48.7 | 48.2 | 49.45 | 52.2 | 47.4 | 4.8 |
| 4 | 47.6 | 47.8 | 49.7 | 51.4 | 51.8 | 51.8 | 51.4 | 50.7 | 50.2 | 48.9 | 50.2 | 50.1 | 50.2 | 50.2 | 50.1 | 49.8 | 49.3 | 48.8 | 48.4 | 48.7 | 48.7 | 49.1 | 48.8 | 47.9 | 49.65 | 51.8 | 47.5 | 4.3 |
| 5 | 47.6 | 47.8 | (49.3) | 51.4 | 52 6 | 52.7 | 53.0 | 51.9 | 51.1 | 49.5 | 50.3 | 50.4 | 50.5 | 50.0 | 49.8 | 49.9 | 49.4 | 49.1 | 49.2 | 49.3 | 49.6 | 50.8 | 49.9 | 48.2 | 50.14 | 53.0 | 46.9 | 6.1 |
| 6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 7 | 46.9 | 46.9 | 48.6 | 50.6 | 52.8 | 53.5 | 53.3 | 51.8 | 50.1 | 49.7 | 50.1 | 50.6 | 50.4 | 49.3 | 49.7 | 49.5 | 49.2 | 48.4 | 48.8 | 49.4 | 49.9 | 50.4 | 49.3 | 48.3 | 49.90 | 53.9 | 46.7 | 7.2 |
| 8 | 48.3 | 48.9 | 50.5 | 51.6 | 52.4 | 52.8 | 52.5 | 51.5 | 50.5 | 50.0 | 49.8 | 50.1 | 50.1 | 50.1 | 49.9 | 49.3 | 48.4 | 48.9 | 49.6 | 49.6 | 49.2 | 49.2 | 49.2 | 47.8 | 50.01 | 52.8 | 46.3 | 6.5 |
| 9 | 46.9 | 46.4 | 48.0 | 49.7 | 51.2 | 52.0 | 51.8 | 50.7 | 49.7 | 49.4 | 47.8 | 49.4 | 49.9 | 49.8 | 49.7 | 49.7 | 49.9 | 49.4 | 49.5 | 49.7 | 49.8 | 49.8 | 49.0 | 47.8 | 49.46 | 52.2 | 45.8 | 6.4 |
| 10 | 46.6 | 46.6 | 48.0 | 49.7 | 51.9 | 52.8 | 53.1 | 51.9 | 50.0 | 49.6 | 49.6 | 49.4 | 49.4 | 49.8 | 49.7 | 49.4 | 49.6 | 49.6 | 49.6 | 49.7 | 49.9 | 49.9 | 49.2 | 47.7 | 49.70 | 53.2 | 46.3 | 6.9 |
| 11 c | 46.3 | 46.1 | 48.1 | 50.8 | 52.1 | 52.7 | 52.7 | 51.5 | 50.2 | 49.3 | 49.7 | 49.7 | 49.7 | 49.9 | 49.8 | 49.6 | 49.7 | 49.5 | 49.4 | 49.4 | 49.5 | 49.8 | 49.4 | 48.0 | 49.70 | 52.9 | 46.0 | 6.9 |
| 12 c | 46.8 | 46.2 | (47.7) | 50.5 | 52.3 | 52.5 | 51.8 | 50.6 | 49.8 | 49.2 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.7 | 49.6 | 49.6 | 49.5 | 49.3 | 49.6 | 49.7 | 49.2 | 47.9 | 49.59 | 52.6 | 46.2 | 6.4 |
| 13 c | 46.8 | 46.9 | 49.1 | 51.5 | 53.1 | 53.6 | 52.9 | 51.5 | 50.0 | 49.3 | 49.7 | 49.7 | 49.8 | 49.7 | (49.7) | (49.7) | — | — | — | — | — | — | — | — | — | — | — | — |
| 14 | 45.6 | 45.2 | 46.9 | 50.0 | 51.9 | 52.3 | 51.8 | 50.8 | 49.8 | 49.1 | 49.4 | 49.8 | 49.7 | 49.7 | 49.7 | 49.5 | 49.2 | 48.2 | 48.2 | 48.9 | 49.1 | 49.1 | 48.1 | 47.5 | 49.15 | — | — | — |
| 15 d | 46.5 | 46.9 | 48.9 | 50.8 | 51.8 | 53.1 | 53.1 | 51.7 | 50.3 | 49.0 | 49.5 | 49.7 | 50.3 | 50.1 | 50.1 | 49.5 | 48.8 | 48.7 | 48.3 | 47.7 | 47.0 | 48.4 | 48.7 | 47.3 | 49.42 | 53.5 | 46.5 | 7.0 |
| 16 d | 47.9 | 49.0 | 50.3 | 52.1 | 53.1 | 53.7 | 52.7 | 51.5 | 49.9 | 49.7 | 50.3 | 50.0 | 50.1 | 49.9 | 49.2 | 49.0 | 49.5 | 48.7 | 49.0 | 49.4 | 48.4 | 47.9 | 47.8 | 47.4 | 49.85 | 53.8 | 46.9 | 6.9 |
| 17 d | 48.2 | 50.1 | 50.2 | 51.4 | 52.3 | 51.7 | 51.2 | 51.3 | 49.6 | 49.9 | 50.0 | 49.7 | 49.8 | 47.8 | 50.2 | 49.5 | 48.3 | 47.9 | 48.6 | 49.1 | 48.9 | 49.0 | 48.9 | 47.8 | 49.68 | 52.5 | 47.3 | 5.2 |
| 18 | 48.5 | 49.3 | 50.8 | 51.5 | 51.6 | 52.7 | 51.2 | 51.2 | 50.5 | 49.6 | 49.9 | 50.2 | 49.5 | 49.8 | 49.1 | 49.4 | 49.4 | 49.5 | 49.1 | 49.4 | 49.1 | 49.4 | 50.0 | 49.2 | 50.00 | 52.7 | 48 3 | 4.4 |
| 19 d | 48.0 | 49.2 | 50.1 | 51.5 | 52.0 | 52.1 | 52.1 | 51.6 | 50.8 | 50.1 | 50.0 | 49.4 | 49.3 | 49.3 | 49.8 | 49.9 | 48.8 | 49.1 | 48.8 | 49.7 | 49.3 | 49.8 | 48.7 | 48.8 | 49.92 | 52.8 | 47.4 | 5.4 |
| 20 | 47.6 | 48.8 | 50.6 | 51.5 | 52.1 | 52.7 | 52.9 | 51.8 | 50.8 | 49.1 | 49.7 | 49.7 | 49.2 | 49.9 | 49.3 | 49.0 | 48.0 | 47.9 | 48.7 | 48.4 | 48.4 | 48.9 | 48.9 | 48.5 | 49.68 | 53.5 | 47.0 | 6.5 |
| 21 | 47.6 | 48.4 | 50.3 | 51.9 | 52.3 | 52.3 | 52.2 | 51.2 | 50.6 | 50.1 | 48.5 | 48.9 | 49.4 | 50.0 | 50.0 | 49.7 | 49.5 | 49.1 | 48.4 | 49.1 | 48.1 | 48.8 | 47.6 | 49.4 | 49.72 | 52.4 | 47.3 | 5.1 |
| 22 | 48.1 | 48.5 | 49.7 | 51.0 | 52.4 | 52.2 | 52.9 | 51.6 | 51.8 | 49.5 | 51.0 | 50.0 | 50.3 | 50.3 | 49.7 | 49.5 | 49.4 | 49.4 | 49.2 | 48.8 | 49.2 | 49.7 | 48.8 | 47.0 | 50.00 | 52.9 | 46.1 | 6.8 |
| 23 | 46.3 | 46.8 | 48.5 | 48.2 | 51.7 | 52.6 | 52.6 | 51.7 | 50.6 | 50.1 | 50.1 | 50.6 | 50.1 | 49.1 | 49.1 | 49.3 | 49.1 | 49.3 | 49.2 | 49.1 | 50.0 | 49.4 | 49.5 | 48.8 | 49.66 | 52.9 | 45.8 | 7.1 |
| 24 | 48.0 | 47.6 | 49.0 | 50.5 | 51.6 | 51.9 | 51.6 | 51.2 | 50.7 | 49.6 | 49.6 | 49.9 | 49.9 | 49.7 | 49.5 | 49.5 | 48.6 | 49.0 | 49.1 | 49.6 | 49.5 | 49.4 | 48.6 | 47.7 | 49.64 | 52.0 | 46.8 | 5.2 |
| 25 | 46.9 | 47.4 | 49.3 | 51.6 | 53.1 | 53.8 | 53.1 | 51.9 | 51.1 | 50.4 | 49.3 | 50.2 | 49.9 | 48.9 | 49.9 | 49.6 | 49.4 | 49.4 | 48.6 | 48.6 | 48.5 | 48.3 | 47.8 | 47.4 | 49.77 | 54 0 | 46.8 | 7.2 |
| 26 | 47.6 | 48.3 | 49.9 | 51.5 | 52.1 | 52.3 | 52.3 | 52.3 | 51.8 | 50.9 | — | — | — | — | 49.7 | 49.9 | 49.5 | 49.2 | 48.6 | — | — | 49.5 | 49.5 | 47.5 | — | — | — | — |
| 27 | 47.2 | 48.2 | 49.5 | 51.0 | 52.1 | 52.1 | 51.4 | 50.6 | 50.1 | 49.9 | 49.9 | 49.9 | 50.1 | 50.0 | 49.9 | 49.7 | 49.6 | 49.3 | 49.1 | 49.7 | 49.2 | 49.0 | 49.3 | 47.6 | 49.77 | — | — | — |
| 28 c | 47.7 | 48.7 | 50.3 | 51.6 | 52.3 | 52.4 | 52.0 | 51.1 | 50.4 | 50.1 | 49.8 | 49.7 | 50.1 | 49.9 | 50.0 | 50.0 | 49.7 | 49.4 | 49.0 | 48.3 | 49.2 | 48.6 | 47.8 | 47.4 | 49.81 | — | — | — |
| 29 c | 47.3 | 48.2 | 49.5 | 50.7 | 51.3 | 51.9 | 51.4 | 50.8 | 50.0 | 49.6 | 49.9 | 49.9 | 50.0 | 49.7 | 49.8 | 49.9 | 49.4 | 49.5 | 49.4 | 49.3 | 49.1 | 49.1 | 48.5 | 47.9 | 49.67 | 51.9 | 47.2 | 4.7 |
| 30 d | 47.7 | 49.1 | 50.7 | 52.6 | 53.3 | 53.5 | 52.7 | 51.5 | 50.3 | 49.7 | 49.7 | 50.0 | 49.9 | 50.0 | 50.0 | 49.9 | 49.5 | 48.8 | 48.0 | 47.9 | 47.3 | 47.8 | 47.1 | 44.6 | 49.65 | 53.8 | 44.3 | 9.5 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 47.34 | 47.69 | 49.16 | 50.80 | 52.09 | 52.55 | 52.28 | 51.36 | 50.42 | 49.64 | 49.76 | 49.91 | 49.80 | 49.71 | 49.78 | 49.57 | 49.22 | 49.04 | 48.94 | 49.06 | 49.03 | 49.27 | 48.80 | 47.92 | 49.71 | — | — | — |
| 〃 c | 47.02 47.15 | 47.30 47.60 | 48.90 | 50.90 | 52.00 | 52.37 | 51.98 | 51.00 | 50.10 | 49.55 | 49.72 | 49.77 | 49.90 | 49.82 | 49.85 | 49.80 | 49.60 | 49.50 | 49.32 | 49.07 | 49.35 | 49.30 | 48.72 | 47.67 47.80 | 49.69 | — | — | — |
| 〃 d | 47.66 47.78 | 48.86 49.38 | 50.24 | 51.68 | 52.50 | 52.82 | 52.36 | 51.52 | 50.18 | 49.68 | 49.90 | 49.76 | 49.88 | 49.42 | 49.86 | 49.56 | 48.98 | 48.64 | 48.54 | 48.76 | 48.18 | 48.58 | 48.24 | 47.86 47.18 | 49.71 | — | — | — |

(818)

Table 12 — Declination (West) 3°00′0+.....′ — May 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 46.7 | 49.7 | 51.4 | 53.0 | 53.4 | 53.5 | 53.3 | 51.6 | 50.8 | 50.6 | 51.9 | 51.2 | 51.2 | 50.5 | 50.2 | 47.8 | 48.0 | 46.2 | 47.1 | 45.1 | 46.7 | 51.0 | 50.3 | 48.7 | 50.00 | 53.8 | 43.1 | 10.7 |
| 2 | 48.1 | 50.8 | 51.3 | 52.3 | 52.7 | 52.5 | 52.2 | 50.4 | 49.9 | 50.1 | 49.2 | 50.1 | 50.6 | 50.6 | 50.6 | 50.7 | 50.1 | 49.5 | 49.8 | 49.8 | 49.7 | 49.8 | 49.9 | 49.0 | 50.42 | 52.7 | 48.1 | 4.6 |
| 3 | 48.1 | 48.6 | 50.9 | 51.6 | 51.9 | 52.5 | 52.1 | 51.4 | 50.4 | 50.3 | 50.1 | 49.7 | 49.5 | 49.6 | 50.3 | 50.0 | 49.6 | 50.1 | 49.4 | 49.8 | 49.1 | 48.0 | 47.8 | 46.7 | 49.87 | 52.6 | 46.4 | 6.2 |
| 4 | 46.7 | 47.7 | 49.1 | 49.9 | 50.8 | 50.8 | 50.1 | 49.5 | 48.9 | 49.1 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4 | 49.2 | 48.6 | 48.6 | 48.8 | 49.3 | 48.7 | 48.1 | 47.8 | 47.6 | 49.00 | 50.8 | 46.7 | 4.1 |
| 5 | 48.1 | 49.4 | 50.1 | 50.5 | 50.6 | 51.6 | 50.0 | 49.6 | 49.9 | 49.9 | 49.9 | 50.3 | 50.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 | — | — | — | — | — | — | 51.2 | 50.9 | 50.5 | 49.7 | 50.6 | 49.8 | 49.8 | 50.2 | 49.8 | 49.9 | 49.8 | 50.0 | 49.7 | 49.7 | 49.7 | 49.3 | 48.5 | 48.0 | — | 51.6 | 47.0 | 4.6 |
| 7 | 48.6 | 50.0 | 50.3 | 50.5 | 51.5 | 52.3 | 52.9 | 51.8 | 51.0 | 50.3 | 49.7 | 50.2 | 50.1 | 50.0 | 50.2 | 50.4 | 50.4 | 50.1 | 50.1 | 50.0 | 50.2 | 49.3 | 48.1 | 47.9 | 50.25 | 52.9 | 47.6 | 5.3 |
| 8 | 48.2 | 49.7 | 51.5 | 52.9 | 52.5 | 52.0 | 51.4 | 50.6 | 50.3 | 49.9 | 50.3 | 50.3 | 50.7 | 50.2 | 50.4 | 50.3 | 49.7 | 49.7 | 49.7 | 49.2 | 49.4 | 49.0 | 47.8 | 47.4 | 50.13 | 53.1 | 47.3 | 5.8 |
| 9 c | 48.7 | 50.0 | 51.7 | 52.7 | 53.2 | 51.0 | 50.5 | 50.5 | 50.2 | 50.0 | 50.1 | 50.4 | 50.6 | 50.7 | 50.5 | 50.3 | 49.9 | 50.0 | 50.0 | 50.0 | 50.0 | 49.2 | 47.7 | 47.2 | 50.21 | 53.1 | 46.7 | 6.4 |
| 10 c | 47.2 | 48.8 | 50.9 | 52.3 | 52.7 | 52.0 | 51.6 | 51.2 | 50.3 | 49.8 | 50.3 | 50.3 | 50.2 | 50.1 | 50.2 | 50.1 | 50.1 | 49.7 | 49.6 | 49.7 | 49.6 | 48.5 | 47.7 | 47.1 | 50.00 | 52.9 | 47.0 | 5.9 |
| 11 | 47.1 | 48.4 | 50.9 | 52.6 | 53.3 | 52.3 | 51.9 | 50.9 | 50.1 | 50.0 | 50.2 | 50.2 | 50.3 | 50.1 | 50.0 | 50.0 | 49.4 | 49.6 | 49.1 | 49.4 | 49.5 | 48.8 | 47.5 | 46.7 | 49.93 | 53.4 | 46.6 | 6.8 |
| 12 c | 46.8 | 47.5 | 49.4 | 50.7 | 51.1 | 50.9 | 50.7 | 50.3 | 50.1 | 49.7 | 49.2 | 49.4 | 49.6 | 49.6 | 49.7 | 49.4 | 49.2 | 48.8 | 48.5 | 48.8 | 48.8 | 47.9 | 47.3 | 46.0 | 49.14 | 51.4 | 45.4 | 6.0 |
| 13 | 45.4 | 46.3 | 48.8 | 50.3 | 52.1 | 52.7 | 53.5 | 52.0 | 51.4 | 51.2 | 51.2 | 50.6 | 50.3 | 49.8 | 49.7 | 49.7 | 49.4 | 48.5 | 48.8 | 48.3 | 48.5 | 48.7 | 48.7 | 47.5 | 49.74 | 53.6 | 45.4 | 8.2 |
| 14 | 47.4 | 48.9 | 50.6 | 51.8 | 52.3 | 52.6 | 52.3 | 51.5 | 50.7 | 50.0 | 50.1 | 50.5 | 50.4 | 50.1 | 50.4 | 50.0 | 49.7 | 48.8 | 48.1 | 47.9 | 48.4 | 48.8 | 48.0 | 47.0 | 49.85 | 52.6 | 46.9 | 5.7 |
| 15 | 47.8 | 49.1 | 50.3 | 51.8 | 53.6 | 54.4 | 52.9 | 51.8 | 50.4 | 49.6 | 50.1 | 50.8 | 50.5 | 50.5 | 50.3 | 50.1 | 49.9 | 49.5 | 49.0 | 49.3 | 49.3 | 48.8 | 48.4 | 48.6 | 50.28 | 55.1 | 47.1 | 8.0 |
| 16 | 48.4 | 50.3 | 51.7 | 52.6 | 53.0 | 52.4 | 51.4 | 50.6 | 50.1 | 49.7 | 50.1 | 50.2 | 50.3 | 49.7 | 50.1 | 49.9 | 49.7 | 49.5 | 49.4 | 49.2 | 49.2 | 48.3 | 47.3 | 46.3 | 49.97 | 53.1 | 46.2 | 6.9 |
| 17 | 47.5 | 48.8 | 50.6 | 52.2 | 52.6 | 52.6 | 51.7 | 51.3 | 50.5 | 50.3 | 49.7 | 50.6 | 49.3 | 50.5 | 50.5 | 50.3 | 49.7 | 49.2 | 48.4 | 48.5 | 47.9 | 47.1 | 46.0 | 46.4 | 49.67 | 52.9 | 45.8 | 7.1 |
| 18 d | 47.9 | 51.2 | 51.5 | 53.6 | 53.9 | 54.7 | 52.2 | 53.9 | 51.8 | 51.4 | 49.4 | 50.4 | 50.9 | 50.6 | 50.6 | 50.6 | 49.9 | 49.7 | 49.4 | 49.9 | 49.0 | 48.4 | 47.9 | 47.5 | 50.68 | 55.1 | 46.6 | 8.5 |
| 19 | 46.7 | 47.6 | 49.1 | 51.6 | 52.7 | 52.9 | 52.2 | 51.4 | 50.7 | 50.1 | 49.7 | 50.1 | 50.2 | 50.1 | 50.0 | 50.1 | 49.7 | 49.7 | 49.2 | 49.7 | 49.2 | 48.5 | 47.5 | 47.4 | 49.84 | 53.1 | 46.7 | 6.4 |
| 20 | 47.9 | 48.5 | 50.7 | 52.6 | 53.3 | 52.8 | 51.9 | 50.7 | 49.6 | 49.3 | 49.6 | 50.1 | 50.3 | 50.2 | 50.2 | 50.0 | 49.6 | 49.3 | 49.0 | 48.8 | 48.6 | 47.7 | 47.3 | 47.7 | 49.82 | 53.3 | 47.1 | 6.2 |
| 21 | 48.4 | 49.6 | 50.9 | 51.9 | 53.5 | 53.6 | 52.0 | 51.4 | 50.4 | 50.1 | 49.8 | 50.0 | 49.9 | 49.6 | 49.6 | 49.6 | 49.3 | 48.8 | 49.2 | 49.4 | 48.8 | 47.7 | 46.7 | 47.1 | 49.89 | 53.6 | 46.4 | 7.2 |
| 22 | 47.3 | 49.2 | 51.8 | 52.2 | 53.8 | 53.1 | 52.2 | 50.7 | 49.7 | 49.3 | 49.7 | 49.6 | 50.0 | 49.8 | 49.8 | 49.6 | 49.3 | 49.2 | 48.8 | 49.0 | 48.7 | 47.4 | 46.7 | 46.3 | 49.72 | 53.1 | 45.8 | 7.3 |
| 23 | 46.2 | 47.5 | 49.8 | 51.9 | 53.0 | 53.0 | 52.1 | 50.8 | 49.7 | 49.6 | 49.7 | 50.1 | 50.4 | 50.4 | 50.2 | 50.1 | 49.7 | 49.4 | 49.6 | 49.3 | 49.2 | 48.1 | 46.3 | 45.1 | 49.63 | 53.1 | 45.1 | 8.0 |
| 24 c | 46.5 | 48.6 | 50.4 | 51.8 | 53.5 | 53.3 | 52.9 | 51.0 | 50.1 | 49.9 | 49.7 | 50.1 | 50.1 | 49.9 | 50.2 | 50.2 | 49.5 | 49.0 | 48.8 | 48.6 | 48.5 | 48.0 | 46.6 | 46.0 | 49.72 | 53.6 | 45.9 | 7.7 |
| 25 | 46.4 | 49.1 | 51.0 | 52.2 | 52.7 | 53.1 | 52.9 | 51.6 | 50.5 | 50.3 | 50.1 | 49.9 | 50.0 | 50.1 | 50.1 | 50.0 | 50.0 | 49.7 | 49.0 | 48.8 | 48.4 | 48.5 | 46.6 | 46.2 | 49.88 | 53.2 | 46.1 | 7.1 |
| 26 c | 46.4 | 47.9 | 49.5 | 51.2 | 52.2 | 52.4 | 51.6 | 50.1 | 49.7 | 49.3 | 49.6 | 50.1 | 50.1 | 50.1 | 50.1 | 50.3 | 50.1 | 49.7 | 49.6 | 49.4 | 49.2 | 48.8 | 46.7 | 45.8 | 49.58 | 52.6 | 45.4 | 7.2 |
| 27 | 45.8 | 47.2 | 49.7 | 51.4 | 52.7 | 53.3 | 52.8 | 51.4 | 49.9 | 49.2 | 49.3 | 50.0 | 49.9 | 50.1 | 50.0 | 50.0 | 49.3 | 49.3 | 49.3 | 48.3 | 48.4 | 47.5 | 45.5 | 45.5 | 49.41 | 53.3 | 44.9 | 8.4 |
| 28 | 46.1 | 49.7 | 53.2 | 55.6 | 55.7 | 54.9 | 53.9 | 52.3 | 51.3 | 50.5 | 50.1 | 50.1 | 50.1 | 50.0 | 50.1 | 50.1 | 50.1 | 49.6 | 49.4 | 49.5 | 49.3 | 48.4 | 47.1 | 45.9 | 50.54 | 56.1 | 45.7 | 10.4 |
| 29 d | 45.8 | 47.1 | 49.0 | 51.0 | 52.3 | 52.6 | 52.4 | 51.6 | 50.8 | 50.1 | 50.0 | 50.1 | 50.1 | 50.0 | 49.9 | 50.1 | 48.4 | 48.3 | 48.3 | 48.0 | 48.2 | 48.0 | 48.9 | 47.1 | 49.52 | 52.9 | 45.8 | 7.1 |
| 30 d | 47.5 | 49.0 | 50.9 | 52.6 | 53.1 | 53.8 | 52.7 | 52.2 | 51.7 | 51.0 | 50.2 | 50.5 | 50.5 | 50.5 | 50.0 | 49.7 | 49.5 | 47.1 | 47.5 | 47.5 | 48.3 | 47.5 | 46.2 | 45.4 | 49.79 | 53.8 | 45.4 | 8.5 |
| 31 d | 47.1 | 48.1 | 50.0 | 50.7 | 52.1 | 53.2 | 50.5 | 50.4 | 50.9 | 50.1 | 49.7 | 50.1 | 49.2 | 50.0 | 49.2 | 48.8 | 48.9 | 49.1 | 49.2 | 49.2 | 48.8 | 47.6 | 46.6 | 47.4 | 49.45 | 53.3 | 45.8 | 7.5 |
| mean | 47.20 | 48.79 | 50.58 | 51.98 | 52.80 | 52.80 | 52.10 | 51.20 | 50.41 | 50.03 | 49.93 | 50.17 | 50.16 | 50.10 | 50.09 | 49.91 | 49.54 | 49.20 | 49.04 | 48.96 | 48.88 | 48.39 | 47.46 | 46.91 | 49.86 | — | — | — |
| 〃 c | 47.12 48.56 46.38 47.96 | | 50.38 | 51.74 | 52.54 | 51.92 | 51.46 | 50.62 | 50.08 | 49.74 | 49.78 | 50.06 | 50.12 | 50.08 | 50.14 | 50.06 | 49.76 | 49.44 | 49.30 | 49.30 | 49.22 | 48.48 | 47.20 | 46.60 46.42 | 49.73 | — | — | — |
| 〃 d | 47.00 49.02 47.40 48.78 | | 50.56 | 52.18 | 52.96 | 53.56 | 52.22 | 51.94 | 51.20 | 50.64 | 50.24 | 50.46 | 50.38 | 50.32 | 49.98 | 49.40 | 48.94 | 48.18 | 48.30 | 47.94 | 48.20 | 48.50 | 47.98 | 45.88 47.22 | 49.89 | — | — | — |

Table 13 Declination (West) 3°00′0+.....′ June 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 47.6 | 48.4 | 49.2 | 51.9 | 53.2 | 52.6 | 52.2 | 50.9 | 49.5 | 49.3 | 49.3 | 49.7 | 49.4 | 48.4 | 49.2 | 49.2 | 49.2 | 48.7 | 48.8 | 48.9 | 49.9 | 48.8 | 47.6 | 46.3 | 49.51 | 53.2 | 46.2 | 7.0 |
| 2 | 46.7 | 47.4 | 49.0 | 50.5 | 51.8 | 51.5 | 51.2 | 51.2 | 50.9 | 50.1 | 49.7 | 49.3 | 48.8 | 49.3 | 49.2 | 49.4 | 49.3 | 49.2 | 49.3 | 48.8 | 48.0 | 47.1 | 46.2 | 45.8 | 49.15 | 52.0 | 45.3 | 6.7 |
| 3 | 45.8 | 47.2 | 49.2 | 50.7 | 50.9 | 51.5 | 51.4 | 50.9 | 50.9 | 49.1 | 49.7 | 50.4 | 49.7 | 50.2 | 50.1 | 50.2 | 49.8 | 50.0 | 49.6 | 49.7 | 49.7 | 48.2 | 47.3 | 47.8 | 49.58 | 51.5 | 45.8 | 5.7 |
| 4 | 49.1 | 50.3 | 51.2 | 51.2 | 51.4 | 50.9 | 50.9 | 50.3 | 50.1 | 50.0 | 49.9 | 50.2 | 49.7 | 49.7 | 50.2 | 50.1 | 49.9 | 49.8 | 49.7 | 49.5 | 49.2 | 48.1 | 47.5 | 47.8 | 49.86 | 51.4 | 47.5 | 3.9 |
| 5 c | 48.4 | 50.1 | 51.2 | 51.2 | 51.4 | 51.1 | 50.2 | 49.9 | 49.7 | 49.2 | 49.7 | 50.4 | 50.2 | 50.1 | 50.3 | 50.0 | 49.9 | 50.1 | (50.1) | (50.8) | (50.3) | (49.6) | (48.6) | (48.5) | 50.02 | — | — | — |
| 6 c | (49.0) | (50.4) | 52.1 | 52.7 | 52.7 | 52.6 | 51.8 | 50.6 | 49.7 | 49.6 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.0 | 49.7 | 49.7 | 49.5 | 49.2 | 48.6 | 47.9 | 48.0 | 50.17 | 52.9 | 47.7 | 5.2 |
| 7 | 49.4 | 48.4 | 50.4 | 51.5 | 51.9 | 51.6 | 50.3 | 50.0 | 49.7 | 49.7 | 50.2 | 49.9 | 50.1 | 49.6 | 49.7 | 49.2 | 49.2 | 49.1 | 48.8 | 48.5 | 47.0 | 45.9 | 46.2 | 47.3 | 49.32 | 52.2 | 45.7 | 6.5 |
| 8 | 48.8 | — | — | — | — | — | — | — | 50.3 | 50.5 | 50.8 | 49.7 | 49.4 | 49.7 | 49.2 | 49.2 | 48.5 | 48.3 | 48.0 | 47.6 | 47.2 | 46.0 | 45.1 | 45.8 | — | — | — | — |
| 9 | 48.6 | 51.4 | 52.6 | 52.6 | 53.5 | 53.0 | 52.1 | 52.1 | 51.4 | 50.9 | 50.5 | 50.1 | 50.4 | 50.5 | 50.5 | 50.0 | 50.1 | 49.7 | 49.2 | 49.2 | 48.8 | 47.9 | 46.8 | 47.1 | 50.37 | 53.7 | 46.7 | 7.0 |
| 10 | 48.0 | 50.5 | 52.3 | 53.0 | 53.2 | 52.4 | 51.8 | 51.4 | 50.5 | 50.1 | 50.4 | 50.4 | 50.5 | 50.2 | 50.1 | 49.9 | 49.2 | 49.0 | 49.2 | 49.2 | 49.1 | 48.1 | 47.1 | 47.0 | 50.11 | 53.2 | 46.9 | 6.3 |
| 11 | 47.3 | 49.2 | 50.1 | 51.8 | 52.6 | 52.1 | 51.2 | 50.5 | 50.2 | 49.8 | 49.7 | 50.0 | 49.8 | 49.7 | 49.9 | 49.9 | 49.7 | 49.7 | 49.4 | 49.0 | 48.9 | 48.0 | 46.5 | 45.5 | 49.58 | 52.6 | 45.5 | 7.1 |
| 12 | 46.2 | 47.5 | 49.8 | 51.4 | 51.7 | 51.9 | 51.4 | 51.3 | 50.6 | 49.4 | 49.3 | 49.3 | 49.0 | 49.2 | 49.5 | 49.6 | 49.3 | 49.2 | 49.0 | 49.0 | 48.8 | 47.2 | 46.1 | 46.3 | 49.25 | 51.9 | 45.4 | 6.5 |
| 13 d | 46.1 | 47.1 | 48.8 | 49.9 | 53.1 | 52.7 | 52.6 | 51.9 | 51.6 | 50.0 | 50.1 | 50.2 | 49.2 | 48.6 | 47.9 | 48.1 | 47.6 | 46.7 | 47.3 | 47.5 | 46.5 | 45.5 | 45.5 | 47.1 | 48.82 | 53.3 | 45.4 | 7.9 |
| 14 d | 47.4 | 48.0 | 49.6 | 49.3 | 50.3 | 50.6 | 50.6 | 51.4 | 51.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 15 | — | — | 49.0 | 50.9 | 51.4 | 51.8 | 52.0 | 52.5 | 51.1 | 50.1 | 49.6 | 49.4 | 49.3 | 49.3 | 49.3 | 49.1 | 49.2 | 49.1 | 48.8 | 48.4 | 48.4 | 47.5 | 46.9 | 46.2 | — | 52.5 | 46.0 | 6.5 |
| 16 c | 46.4 | 47.5 | 49.1 | 50.3 | 51.8 | 52.6 | 52.5 | 52.1 | 51.1 | 49.9 | 49.7 | 49.7 | 49.8 | 49.6 | 49.3 | 49.0 | 48.8 | 48.8 | 48.4 | 48.6 | 48.5 | 47.3 | 46.3 | 45.7 | 49.28 | 52.6 | 45.4 | 7.2 |
| 17 | 45.9 | 47.9 | 49.7 | 52.3 | 53.5 | 54.1 | 53.5 | 51.9 | 50.7 | 50.1 | 50.1 | 50.3 | 50.2 | 50.0 | 50.3 | 50.5 | 50.4 | 49.9 | 49.7 | 49.6 | 49.2 | 48.0 | 46.4 | 46.4 | 50.02 | 54.1 | 45.9 | 8.2 |
| 18 c | 46.3 | 48.4 | 50.1 | 51.5 | 52.2 | 52.5 | 52.1 | 51.4 | 51.1 | 50.2 | 50.5 | 50.5 | 50.6 | 50.5 | 50.5 | 50.2 | 50.0 | 49.7 | 49.6 | 49.4 | 49.6 | 48.8 | 46.4 | 46.0 | 49.94 | 52.5 | 46.0 | 6.5 |
| 19 | 47.1 | 51.5 | 51.1 | 52.4 | 53.3 | 54.1 | 53.5 | 52.1 | 51.3 | 50.6 | 50.6 | 50.9 | 50.2 | 49.8 | 49.9 | 49.7 | 49.3 | 48.4 | 47.8 | 47.9 | 47.6 | 46.7 | 46.2 | 47.0 | 49.96 | 54.1 | 46.0 | 8.1 |
| 20 d | 47.5 | 49.0 | 50.2 | 52.6 | 53.2 | 54.0 | 54.4 | 53.6 | 52.6 | 51.9 | 51.9 | 51.8 | 51.0 | 50.3 | 50.0 | 49.6 | 49.1 | 49.4 | 48.9 | 48.2 | 47.8 | 46.7 | 44.6 | 45.8 | 50.17 | 54.8 | 44.6 | 10.2 |
| 21 | 47.5 | 48.8 | 51.4 | 52.8 | 53.3 | 53.4 | 52.6 | 51.4 | 49.7 | 49.9 | 50.1 | 50.1 | 49.7 | 50.2 | 50.3 | 50.2 | 49.7 | 48.9 | 49.0 | 49.0 | 48.4 | 46.6 | 45.0 | 44.3 | 49.70 | 53.5 | 44.5 | 9.0 |
| 22 | 45.6 | 46.9 | 48.8 | 51.0 | 52.4 | 52.9 | 52.6 | 52.3 | 50.7 | 50.0 | 49.6 | 50.0 | 50.0 | 50.3 | 50.4 | 50.0 | 49.9 | 49.6 | 49.6 | 49.4 | 49.2 | 47.4 | 45.6 | 44.6 | 49.53 | 53.0 | 44.5 | 8.5 |
| 23 | 44.9 | 47.0 | 49.1 | 51.8 | 53.2 | 53.5 | 52.6 | 51.3 | 50.4 | 49.7 | 49.8 | 49.8 | 49.7 | 49.9 | 50.0 | 50.1 | 50.1 | 49.4 | 49.6 | 49.0 | 48.9 | 48.4 | 46.6 | 45.3 | 49.59 | 53.5 | 44.9 | 8.6 |
| 24 c | 45.8 | 46.2 | 47.7 | 50.1 | 52.1 | 52.8 | 53.0 | 52.1 | 50.9 | 50.2 | 49.7 | 49.8 | 49.8 | 49.7 | 49.6 | 49.4 | 49.7 | 49.5 | 49.2 | 49.2 | 48.8 | 47.6 | 46.7 | 46.3 | 49.41 | 53.1 | 45.8 | 7.3 |
| 25 | 46.7 | 47.9 | 49.4 | 51.4 | 53.0 | 53.5 | 53.3 | 52.7 | 51.4 | 50.3 | 49.9 | 50.8 | 50.5 | 50.6 | 50.5 | 50.3 | 49.9 | 49.6 | 49.3 | 49.7 | 49.4 | 49.3 | 47.0 | 48.0 | 50.18 | 53.5 | 46.7 | 6.8 |
| 26 | 48.3 | 50.2 | 52.7 | 53.8 | 53.6 | 52.9 | 52.7 | 51.9 | 50.8 | 50.0 | 49.4 | 49.3 | 49.9 | 49.9 | 50.2 | 50.2 | 50.0 | 49.6 | 49.9 | 49.7 | 49.7 | 49.1 | 47.9 | 47.9 | 50.40 | 54.0 | 47.7 | 6.3 |
| 27 | 48.5 | 49.2 | 50.9 | 51.6 | 52.3 | 53.6 | 53.2 | 53.1 | 51.7 | 49.7 | 49.6 | 50.4 | 50.8 | 50.6 | 50.4 | 49.6 | 49.7 | 49.4 | 49.2 | 48.9 | 48.9 | 47.5 | 46.3 | 46.2 | 50.05 | 53.8 | 45.6 | 8.2 |
| 28 d | 46.2 | 49.7 | 51.1 | 51.5 | 52.6 | 52.7 | 52.7 | 51.3 | 50.6 | 50.6 | 50.3 | 50.3 | 50.5 | 50.3 | 48.8 | 49.8 | 50.2 | 48.8 | 48.6 | 48.0 | 48.4 | 48.5 | 47.1 | 46.2 | 49.78 | 53.2 | 46.0 | 7.2 |
| 29 | 47.2 | 48.8 | 50.2 | 51.3 | 52.4 | 49.2 | 50.5 | 50.6 | 49.7 | 49.7 | 49.7 | 49.6 | 49.3 | 49.2 | 49.3 | 48.8 | 49.7 | 48.9 | 48.8 | 48.9 | 48.4 | 47.9 | 51.5 | 46.2 | 49.41 | 52.6 | 45.9 | 6.7 |
| 30 | 47.1 | 48.3 | 49.4 | 50.2 | 51.0 | 51.8 | 51.5 | 51.3 | 50.9 | 50.5 | 49.7 | 50.0 | 49.6 | 49.2 | 48.9 | 49.1 | 49.2 | 48.8 | 49.2 | 48.8 | 48.8 | 48.0 | 47.3 | 46.3 | 49.37 | 51.8 | 45.8 | 6.0 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 47.17 | 48.71 | 50.25 | 51.59 | 52.49 | 52.50 | 52.14 | 51.49 | 50.68 | 50.02 | 49.96 | 50.12 | 49.98 | 49.84 | 49.82 | 49.71 | 49.59 | 49.24 | 49.14 | 49.01 | 48.74 | 47.81 | 46.82 | 46.56 | 49.72 | — | — | — |
| 〃 c | 47.28 | 48.52 | 50.04 | 51.16 | 52.04 | 52.32 | 51.92 | 51.22 | 50.50 | 49.82 | 49.86 | 50.10 | 50.10 | 50.00 | 49.96 | 49.74 | 49.68 | 49.56 | 49.40 | 49.40 | 49.28 | 48.38 | 47.18 | 46.84 | 49.77 | — | — | — |
| | 47.62 | 49.22 | | | | | | | | | | | | | | | | | | | | | | 46.90 | | | | |
| 〃 d | 46.85 | 48.55 | 49.82 | 51.47 | 53.02 | 53.00 | 52.97 | 51.92 | 51.07 | 50.45 | 50.40 | 50.50 | 50.02 | 49.40 | 48.97 | 49.17 | 49.02 | 48.40 | 48.40 | 48.15 | 48.15 | 47.37 | 46.20 | 46.72 | 49.57 | — | — | — |
| | 47.20 | 48.25 | | | | | | | | | | | | | | | | | | | | | | 46.35 | | | | |

Table 14 Declination (West) 8°00′0+..... July 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 46.5 | 47.1 | 48.4 | 49.6 | 51.2 | 51.8 | 51.7 | 51.4 | 50.6 | 49.9 | 49.4 | 49.6 | 49.6 | 49.9 | 49.6 | 49.4 | 48.9 | 48.9 | 48.7 | 48.8 | 48.5 | 48.4 | 47.4 | 46.9 | 49.26 | 51.8 | 46.2 | 5.6 |
| 2 | 47.5 | 48.2 | 48.7 | 48.9 | 50.1 | 51.4 | 52.1 | 51.8 | 51.5 | 49.9 | 49.8 | 49.6 | 49.6 | 49.8 | 49.6 | (49.6) | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 | — | 48.8 | 50.5 | 50.9 | 51.5 | 51.8 | 51.4 | 51.0 | 50.2 | 50.1 | 49.9 | 50.1 | 50.1 | 50.0 | 49.2 | 49.3 | 48.9 | 48.7 | 48.4 | 48.7 | 48.7 | 48.4 | 47.5 | 46.6 | — | 51.6 | 46.4 | 5.2 |
| 4 | 47.1 | 48.2 | 49.2 | 50.2 | 51.0 | 51.0 | 50.9 | 50.6 | 49.8 | 49.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.5 | 48.8 | 49.0 | 48.8 | 48.6 | 48.4 | 48.5 | 47.2 | 46.9 | 46.2 | 49.03 | 51.1 | 45.8 | 5.3 |
| 5 | 46.7 | 48.0 | 50.1 | 51.1 | 51.8 | 51.4 | 51.4 | 51.0 | 50.6 | 50.3 | 50.1 | 49.6 | 49.9 | 49.7 | 49.3 | 49.2 | 48.8 | 48.9 | 48.5 | 48.4 | 48.2 | 47.3 | 46.4 | 46.0 | 49.20 | 52.0 | 44.7 | 7.3 |
| 6 | 45.7 | 48.3 | 49.8 | 51.8 | 53.1 | 53.1 | 52.1 | 51.4 | 50.9 | 50.5 | 50.5 | 50.1 | 50.1 | 49.7 | 49.3 | 49.3 | 49.3 | 49.1 | 48.8 | 49.1 | 48.8 | 48.0 | 46.7 | 46.3 | 49.66 | 53.5 | 45.7 | 7.8 |
| 7 | 46.7 | 47.5 | 50.5 | 51.4 | 53.0 | 52.9 | 52.2 | 51.1 | 49.7 | 49.2 | 49.5 | 49.4 | 49.6 | 49.4 | 49.6 | 49.2 | 49.2 | 48.8 | 48.6 | 48.0 | 48.1 | 47.8 | 47.0 | 46.3 | 49.36 | 53.3 | 46.0 | 7.3 |
| 8 | 46.5 | 47.7 | 49.4 | 51.0 | 52.4 | 52.7 | 52.5 | 52.2 | 51.2 | 50.2 | 49.7 | 49.8 | 49.6 | 49.5 | 49.6 | 49.2 | 49.2 | 48.7 | 48.6 | 48.5 | 48.3 | 46.2 | 44.0 | 42.9 | 49.15 | 52.9 | 42.4 | 10.5 |
| 9 d | 45.3 | 47.5 | 50.8 | 51.8 | 53.1 | 53.3 | 52.6 | 51.7 | 51.0 | 50.1 | 48.5 | 49.7 | 49.0 | 47.6 | 49.1 | 49.7 | 49.6 | 49.4 | 49.2 | 48.8 | 48.8 | 48.3 | 47.3 | 46.3 | 49.52 | 53.5 | 44.6 | 8.9 |
| 10 | 46.2 | 46.6 | 48.8 | 51.4 | 52.6 | 54.2 | 54.0 | 53.6 | 51.9 | 51.0 | 50.1 | 49.8 | 49.6 | 49.7 | 49.7 | 49.8 | 49.4 | 48.9 | 48.8 | 48.6 | 49.4 | 48.4 | 47.9 | 47.5 | 49.91 | 54.4 | 46.2 | 8.2 |
| 11 | 47.5 | 47.0 | 48.8 | 50.1 | 51.5 | 51.8 | 51.8 | 52.0 | 51.2 | 50.5 | 50.0 | 50.3 | 49.6 | 49.7 | 49.3 | 49.1 | 48.5 | 49.1 | 49.3 | 49.1 | 48.9 | 47.9 | 46.6 | 45.0 | 49.36 | 52.0 | 44.6 | 7.4 |
| 12 | 44.9 | 47.2 | 49.7 | 52.4 | 53.4 | 53.6 | 53.5 | 52.0 | 50.3 | 49.7 | 49.5 | 49.6 | 49.3 | 49.3 | 49.4 | 49.8 | 49.9 | 49.5 | 49.4 | 49.6 | 49.7 | 48.5 | 47.0 | 46.2 | 49.72 | 53.8 | 44.9 | 8.9 |
| 13 c | 46.7 | 47.1 | 48.8 | 50.3 | 52.0 | 52.4 | 52.3 | 51.4 | 50.1 | 49.3 | 49.2 | 49.7 | 49.6 | 49.3 | 49.4 | 49.6 | 49.2 | 49.0 | 48.8 | 48.8 | 48.9 | 48.1 | 46.9 | 46.5 | 49.31 | 52.4 | 46.3 | 6.1 |
| 14 c | 46.8 | 47.7 | 49.4 | 50.7 | 52.4 | 53.2 | 53.1 | 51.9 | 50.9 | 49.7 | 49.2 | 49.2 | 49.6 | 49.6 | 49.6 | 49.6 | 49.5 | 49.3 | 49.2 | 49.1 | 49.2 | 48.5 | 46.7 | 45.8 | 49.58 | 53.3 | 45.4 | 7.9 |
| 15 c | 45.8 | 46.4 | 48.5 | 50.4 | 51.1 | 51.5 | 51.8 | 51.0 | 50.0 | 49.5 | 49.3 | 49.6 | 49.6 | 49.9 | 49.5 | 49.5 | 49.2 | 49.2 | 49.0 | 49.2 | 49.2 | 47.9 | 46.6 | 45.8 | 49.15 | 51.8 | 45.4 | 6.4 |
| 16 | 45.4 | 46.7 | 49.0 | 50.8 | 51.8 | 52.5 | 52.2 | 51.4 | 50.4 | 50.1 | 50.1 | 50.1 | 49.9 | 49.8 | 50.0 | 50.0 | 49.4 | 49.0 | 48.4 | 48.5 | 48.4 | 48.7 | 47.5 | 47.0 | 49.46 | 52.6 | 45.4 | 7.2 |
| 17 d | 47.1 | 47.5 | 49.2 | 51.2 | 51.8 | 51.5 | 50.6 | 49.7 | 49.7 | 49.6 | 50.3 | 50.9 | 49.6 | 49.8 | 50.0 | 49.4 | 49.2 | 49.2 | 48.8 | 48.7 | 47.9 | 46.3 | 45.0 | 46.4 | 49.14 | 51.8 | 44.9 | 6.9 |
| 18 | 46.7 | 49.0 | 52.0 | 53.2 | 53.5 | 51.8 | 51.1 | 50.7 | 50.1 | 49.7 | 50.1 | 49.6 | 49.6 | 49.7 | 49.6 | 50.1 | 50.0 | 49.9 | 49.5 | 49.2 | 48.5 | 47.1 | 50.1 | 46.4 | 49.88 | 53.7 | 45.9 | 7.8 |
| 19 | 47.5 | 48.7 | 50.6 | 52.0 | 52.6 | 52.4 | 51.6 | 50.4 | 49.3 | 49.4 | 49.9 | 50.0 | 49.6 | 49.6 | 49.6 | 49.6 | 49.8 | 49.3 | 49.3 | 49.2 | 48.9 | 47.9 | 47.1 | 47.2 | 49.65 | 52.6 | 46.9 | 5.7 |
| 20 | 47.6 | 48.5 | 50.5 | 51.8 | 52.6 | 52.6 | 51.8 | 51.2 | 49.6 | 49.5 | 49.1 | 49.6 | 49.6 | 49.6 | 50.0 | 49.7 | 49.4 | 49.3 | 49.4 | 49.2 | 49.3 | 48.8 | 47.5 | 46.5 | 49.70 | 52.7 | 46.3 | 6.4 |
| 21 c | 47.1 | 48.4 | 49.7 | 52.0 | 52.6 | 52.8 | 52.3 | 51.0 | 50.1 | 49.5 | 49.6 | 49.9 | 49.3 | 49.7 | 49.8 | 49.7 | 49.7 | 49.6 | 49.2 | 49.1 | 48.7 | 48.8 | 47.6 | 45.4 | 49.65 | 52.8 | 44.9 | 7.9 |
| 22 | 45.4 | 46.3 | 48.7 | 50.6 | 51.4 | 51.8 | 51.5 | 50.9 | 49.9 | 49.8 | 49.7 | 49.7 | 49.9 | 49.7 | 49.7 | 49.6 | 49.4 | 49.2 | 49.1 | 49.0 | 48.4 | 47.5 | 45.5 | 46.4 | 49.18 | 51.8 | 45.3 | 6.5 |
| 23 d | 48.0 | 50.1 | 52.6 | 53.8 | 53.5 | 52.6 | 51.5 | 50.5 | 49.4 | 48.9 | 49.3 | 49.6 | 49.8 | 49.7 | 47.2 | 50.1 | 49.3 | 47.7 | 48.5 | 48.4 | 47.2 | 46.7 | 44.9 | 45.7 | 49.37 | 53.8 | 44.1 | 9.7 |
| 24 d | 45.5 | 48.9 | 50.8 | 52.9 | 54.1 | 53.5 | 52.2 | 52.1 | 49.2 | 49.6 | 50.4 | 49.6 | 49.3 | 49.4 | 50.0 | 50.1 | 49.2 | 50.0 | 49.7 | 49.4 | 48.8 | 47.4 | 47.1 | 47.0 | 49.84 | 54.2 | 45.4 | 8.8 |
| 25 | 47.0 | 47.7 | 49.7 | 51.4 | 52.1 | 51.9 | 51.6 | 50.9 | 50.5 | 49.2 | 49.8 | 50.0 | 50.3 | 49.3 | 49.8 | 50.9 | 50.3 | 50.0 | 49.3 | 49.1 | 48.8 | 47.9 | 47.0 | 47.6 | 49.67 | 52.1 | 46.7 | 5.4 |
| 26 | 47.9 | 48.8 | 50.1 | 51.1 | 51.4 | 51.4 | 51.0 | 50.0 | 49.5 | 49.3 | 49.4 | 50.0 | 50.1 | 49.7 | 49.3 | 49.5 | 49.2 | 49.6 | 49.2 | 48.8 | 48.9 | 47.3 | 45.9 | 46.1 | 49.31 | 51.6 | 45.4 | 6.2 |
| 27 d | 48.2 | 49.2 | 50.6 | 52.3 | 53.1 | 53.6 | 52.3 | 50.9 | 50.1 | 47.7 | 47.9 | 48.4 | 49.2 | 49.6 | — | — | 49.6 | 49.2 | 49.3 | 48.8 | 49.3 | 48.0 | 46.3 | 47.0 | — | 53.8 | 45.8 | 8.0 |
| 28 | 47.0 | 48.7 | 51.4 | 53.3 | 54.0 | 54.1 | 53.5 | 51.6 | 50.3 | 49.6 | 49.2 | 49.7 | 50.0 | 49.9 | 49.7 | 49.6 | 49.5 | 49.5 | 49.4 | 49.6 | 49.2 | 48.9 | 47.6 | 47.0 | 50.10 | 54.4 | 46.9 | 7.5 |
| 29 | 47.2 | 48.0 | 49.8 | 52.1 | 53.2 | 53.2 | 52.7 | 51.6 | 50.4 | 49.6 | 49.6 | 49.6 | 49.8 | 49.2 | 49.9 | 50.1 | 49.7 | 49.4 | 49.4 | 49.2 | 49.0 | 48.7 | 47.3 | 46.6 | 49.80 | 53.3 | 45.9 | 7.4 |
| 30 c | 46.7 | 47.8 | 49.6 | 50.6 | 51.8 | 52.2 | 52.2 | 51.4 | 50.1 | 49.1 | 48.9 | 49.4 | 49.5 | 49.4 | 49.6 | 49.9 | 49.8 | 49.6 | 49.6 | 49.4 | 49.4 | 48.9 | 47.2 | 46.6 | 49.53 | 52.5 | 46.2 | 6.3 |
| 31 | 46.5 | 47.0 | 48.3 | 49.9 | 51.4 | 52.3 | 52.1 | 51.0 | 49.7 | 49.4 | 49.6 | 49.6 | 49.9 | 49.9 | 49.6 | 49.5 | 49.6 | 49.5 | 49.3 | 49.4 | 49.2 | 48.5 | 46.7 | 45.2 | 49.30 | 52.5 | 45.2 | 7.3 |
| mean | 46.61 | 47.33 | 49.82 | 51.37 | 52.34 | 52.46 | 52.04 | 51.27 | 50.23 | 49.72 | 49.64 | 49.77 | 49.69 | 49.56 | 49.51 | 49.63 | 49.38 | 49.21 | 49.03 | 48.94 | 48.75 | 47.94 | 46.79 | 46.22 | 47.55 | — | — | — |
| 〃 c | 46.62 47.48 45.98 46.82 | | 49.20 | 50.80 | 51.98 | 52.42 | 52.34 | 51.34 | 50.24 | 49.42 | 49.24 | 49.56 | 49.52 | 49.58 | 49.58 | 49.66 | 49.48 | 49.34 | 49.16 | 49.12 | 49.08 | 48.44 | 47.00 | 46.32 46.02 | 49.49 | — | — | — |
| 〃 d | 46.47 48.50 46.35 48.05 | | 50.85 | 52.42 | 53.12 | 52.72 | 51.72 | 51.00 | 49.82 | 49.55 | 49.62 | 49.95 | 49.42 | 49.12 | 49.07 | 49.82 | 49.32 | 49.07 | 49.05 | 48.82 | 48.17 | 47.17 | 46.07 | 45.50 46.35 | 49.47 | — | — | — |

Table 15 Declination (West) 3°000′+..... August 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 c | 45.4 | 46.0 | 47.9 | 49.6 | 51.1 | 52.2 | 51.9 | 51.4 | 50.2 | 49.2 | 49.0 | 49.6 | 49.5 | 49.6 | 49.6 | 49.5 | 49.3 | 49.1 | 48.9 | 48.9 | 49.1 | 48.8 | 47.2 | 46.7 | 49.15 | 52.3 | 45.4 | 6.9 |
| 2 | 46.4 | 47.4 | 49.5 | 51.1 | 51.9 | 51.8 | 51.3 | 50.6 | 49.9 | 49.3 | 49.3 | 49.5 | 49.6 | 49.9 | 49.7 | 49.6 | 49.2 | 49.1 | 49.1 | 48.8 | 48.8 | 48.1 | 47.5 | 47.1 | 49.35 | 52.1 | 46.3 | 5.8 |
| 3 | 46.9 | 47.6 | 49.8 | 51.7 | 52.4 | 52.9 | 52.1 | 51.0 | 49.6 | 49.2 | 49.2 | 49.6 | 49.7 | 49.6 | 49.7 | 49.6 | 49.6 | 49.2 | 49.0 | 49.0 | 48.8 | 47.6 | 46.3 | 46.7 | 49.45 | 53.0 | 46.3 | 6.7 |
| 4 | 46.8 | 48.4 | 50.3 | 51.0 | 51.1 | 51.4 | 51.0 | 50.4 | 49.8 | 49.6 | 49.8 | 49.7 | 49.7 | 49.6 | 49.3 | 49.4 | 49.3 | 49.1 | 49.0 | 48.8 | 48.8 | 47.6 | 45.9 | 45.8 | 49.23 | 51.4 | 45.2 | 6.2 |
| 5 d | 46.2 | 48.3 | 49.8 | 51.4 | 52.7 | 53.3 | 53.7 | 51.8 | 51.4 | 51.0 | 50.9 | 50.9 | 51.4 | 48.1 | 49.2 | 49.6 | 48.8 | 48.6 | 49.7 | 50.5 | 47.5 | 46.7 | 46.9 | 47.7 | 49.84 | 53.9 | 45.4 | 8.5 |
| 6 d | 49.7 | 52.0 | 53.6 | 55.8 | 54.8 | 54.1 | 53.1 | 50.9 | 50.2 | 49.8 | 50.1 | 49.6 | 50.2 | 49.4 | 50.2 | 49.8 | 50.0 | 49.6 | 49.8 | 49.2 | 49.2 | 47.8 | 46.3 | 45.9 | 50.46 | 56.1 | 45.8 | 10.3 |
| 7 | 47.0 | 49.2 | 51.4 | 52.7 | 53.9 | 53.3 | 52.0 | 50.7 | 49.6 | 49.2 | 49.5 | 50.0 | 49.6 | 49.6 | 50.1 | 50.1 | 50.1 | 49.6 | 49.6 | 49.3 | 49.2 | 48.4 | 47.0 | 46.2 | 49.89 | 53.9 | 46.2 | 7.7 |
| 8 | 47.0 | 48.4 | 51.0 | 52.6 | 54.1 | 54.4 | 53.2 | 51.5 | 50.7 | 50.0 | 49.7 | 49.8 | 50.1 | 49.6 | 49.7 | 49.9 | 49.8 | 49.6 | 49.4 | 49.4 | 49.2 | 48.4 | 47.0 | 46.8 | 50.06 | 54.4 | 46.7 | 7.7 |
| 9 c | 47.8 | 48.8 | 51.1 | 53.3 | 53.9 | 53.7 | (52.3) | 50.9 | 49.8 | 49.6 | 49.4 | 49.2 | 49.3 | 49.5 | 49.6 | 50.0 | 49.6 | 49.5 | 48.8 | 48.4 | 48.4 | 47.8 | 48.1 | 44.6 | 49.72 | — | — | — |
| 10 c | 44.5 | 46.0 | 49.2 | 52.0 | (53.6) | (54.8) | (54.8) | (53.5) | 53.2 | 49.3 | 49.7 | 49.7 | 49.8 | 49.7 | 49.2 | 49.6 | 49.3 | 49.3 | 49.1 | 49.0 | 49.2 | 48.8 | 47.5 | 46.7 | 49.90 | — | — | — |
| 11 c | 46.8 | 47.9 | 49.7 | 51.5 | 52.6 | 54.0 | 53.9 | 52.6 | 51.3 | 50.1 | 50.1 | 50.0 | 49.7 | 49.7 | 49.6 | 49.3 | 49.2 | 49.0 | 49.0 | 49.0 | 48.9 | 48.4 | 47.1 | 45.5 | 49.79 | 54.1 | 44.9 | 9.2 |
| 12 | 45.4 | 46.7 | 49.3 | 50.6 | 52.2 | 52.6 | 52.2 | 51.4 | 50.1 | 49.6 | 49.6 | 50.0 | 50.0 | 49.8 | 49.6 | 49.6 | 49.2 | 49.2 | 49.0 | 48.8 | 48.8 | 47.9 | 46.4 | 46.2 | 49.34 | 53.2 | 45.0 | 8.2 |
| 13 d | 46.6 | 48.5 | 50.6 | 51.8 | 53.5 | 53.8 | 53.0 | 51.7 | 50.4 | 49.4 | 49.6 | 51.0 | 50.9 | 50.5 | 49.8 | 49.0 | 49.0 | 48.4 | 49.6 | 48.5 | 49.0 | 48.4 | 48.4 | 50.1 | 50.06 | 54.1 | 46.6 | 7.5 |
| 14 | 48.0 | 49.6 | 52.0 | 53.3 | 53.1 | 52.6 | 52.2 | 51.3 | 50.5 | 50.0 | 49.7 | 50.0 | 48.7 | 49.7 | 48.6 | 49.3 | 49.6 | 49.3 | 49.3 | 49.2 | 48.6 | 48.4 | 47.6 | 46.7 | 49.89 | 53.3 | 46.6 | 6.7 |
| 15 | 47.2 | 48.3 | 50.8 | 52.3 | 53.1 | 53.5 | 53.0 | 51.4 | 49.8 | 49.0 | 49.4 | 49.6 | 50.1 | 49.9 | 49.7 | 49.7 | 49.6 | 49.6 | 49.7 | 50.5 | 49.4 | 48.5 | 47.5 | 47.6 | 49.97 | — | — | — |
| 16 | 48.6 | 49.2 | 50.5 | 52.1 | 53.0 | 53.2 | 51.8 | 50.8 | 48.8 | 49.4 | 49.9 | 49.6 | 50.1 | 49.9 | 49.9 | 49.7 | 49.6 | 49.5 | 49.3 | 49.6 | 49.0 | 48.4 | 47.1 | 46.4 | 49.81 | — | — | — |
| 17 | 46.7 | 48.5 | 49.6 | 51.2 | 52.3 | 53.2 | 51.8 | 51.0 | 49.7 | 48.8 | 49.3 | 50.0 | 49.3 | 49.6 | 49.3 | 50.0 | 50.1 | 50.1 | 49.0 | 49.3 | 48.8 | 47.6 | 46.1 | 46.3 | 49.48 | — | — | — |
| 18 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19 | 50.9 | 53.1 | 54.3 | 53.5 | 52.7 | 52.6 | 51.6 | 50.1 | 49.6 | 50.1 | 50.5 | 49.7 | 48.8 | 50.2 | 49.4 | 50.1 | 49.7 | 49.4 | 49.2 | 49.2 | 48.6 | 47.5 | 46.7 | 46.3 | 50.16 | 54.3 | 46.2 | 8.1 |
| 20 | 47.5 | 49.7 | 51.4 | 53.0 | 53.7 | 52.7 | 51.7 | 50.5 | 49.6 | 49.2 | 49.7 | 49.6 | 50.1 | 48.7 | 50.1 | 50.0 | — | — | — | — | 48.8 | 47.8 | 48.8 | 47.9 | — | — | — | — |
| 21 d | 47.8 | 49.6 | 51.4 | 52.3 | 53.6 | 52.7 | 51.5 | 49.6 | 48.9 | 48.7 | 49.2 | 47.1 | 49.6 | 50.2 | 50.0 | 49.6 | 49.6 | 49.6 | 48.9 | 49.4 | 50.1 | 48.8 | 47.9 | 48.2 | 49.76 | 53.6 | 46.2 | 7.4 |
| 22 | 49.6 | 51.4 | 52.5 | 52.9 | 52.6 | 52.1 | 50.9 | 49.7 | 49.6 | 49.5 | 49.3 | 49.6 | 49.8 | 50.0 | 50.1 | 50.1 | 50.1 | 49.7 | 49.3 | 49.2 | 48.5 | 47.9 | 46.6 | 46.2 | 49.88 | 55.2 | 46.1 | 9.1 |
| 23 | 46.2 | — | — | — | — | — | — | — | 50.5 | 49.2 | 50.2 | 50.5 | 50.4 | 50.5 | 49.3 | 48.7 | 49.6 | 49.6 | 49.2 | 50.1 | 48.8 | 48.4 | 47.9 | 47.4 | — | — | — | — |
| 24 | 48.4 | 50.5 | 52.6 | 54.0 | 54.3 | 53.9 | 52.2 | 50.5 | 49.5 | 48.8 | 50.1 | 49.9 | 49.2 | 50.1 | 50.1 | 49.6 | 49.7 | 49.7 | 48.9 | 49.0 | 49.6 | 49.3 | 48.6 | 47.9 | 50.27 | 54.7 | 47.9 | 6.8 |
| 25 | 48.8 | 50.6 | 52.2 | 53.4 | 54.2 | 54.3 | 52.3 | 51.0 | 49.4 | 49.6 | 49.7 | 49.8 | 49.9 | 49.7 | 49.6 | 50.0 | 49.9 | 49.8 | 49.7 | 49.6 | 49.2 | 47.8 | 46.5 | 46.3 | 50.14 | 54.4 | 46.3 | 8.1 |
| 26 | 46.9 | 49.6 | 52.6 | 54.7 | 55.1 | 54.4 | 52.7 | 51.0 | 49.2 | 48.9 | 49.6 | 49.9 | 49.4 | 48.6 | 49.5 | 49.5 | 49.4 | 49.6 | 49.2 | 49.2 | 48.8 | 47.5 | 45.4 | 44.6 | 49.80 | 55.2 | 44.6 | 10.6 |
| 27 | 45.8 | 48.2 | 51.4 | 53.1 | 53.8 | 53.2 | 51.8 | 50.1 | 49.2 | 48.8 | 49.2 | 49.7 | 49.2 | 49.8 | 49.8 | 48.3 | 49.7 | 49.7 | 49.7 | 49.4 | 49.2 | 47.8 | 46.4 | 45.5 | 49.53 | 53.9 | 45.4 | 8.5 |
| 28 | 45.3 | 47.1 | 49.5 | 51.3 | 51.6 | 52.3 | 51.6 | 50.9 | 49.7 | 49.4 | 50.1 | 50.3 | 50.0 | 50.0 | 49.7 | 49.4 | 49.2 | 48.9 | 48.8 | 48.8 | 48.8 | 49.1 | 47.5 | 46.3 | 49.40 | 53.0 | 45.3 | 7.7 |
| 29 | 47.5 | 49.3 | 50.3 | 51.4 | 51.2 | 52.7 | 51.9 | 50.7 | 50.0 | 49.6 | 50.0 | 50.1 | 50.2 | 50.1 | 50.1 | 49.8 | 49.6 | 49.4 | 49.2 | 49.1 | 48.9 | 48.3 | 47.9 | 48.2 | 49.81 | 52.9 | 47.5 | 5.4 |
| 30 | 48.7 | 49.9 | 51.1 | 51.6 | 51.8 | 52.1 | 51.7 | 50.5 | 49.7 | 49.6 | 49.2 | 49.7 | 49.9 | 49.7 | 49.7 | 49.4 | 49.2 | 49.0 | 48.8 | 48.6 | 48.5 | 48.4 | 47.9 | 47.5 | 49.67 | 52.2 | 47.5 | 4.7 |
| 31 c | 47.9 | 49.2 | 50.9 | 52.1 | 52.3 | 51.9 | 50.6 | 49.7 | 49.3 | 49.5 | 50.0 | 50.1 | 50.0 | 50.0 | 49.7 | 49.7 | 49.5 | 49.2 | 48.9 | 48.8 | 48.8 | 48.0 | 47.9 | 49.7 | 49.74 | 52.5 | 47.4 | 5.1 |
| mean | 47.31 | 48.90 | 50.89 | 52.30 | 52.95 | 53.11 | 52.22 | 50.95 | 49.97 | 49.46 | 49.68 | 49.77 | 49.77 | 49.72 | 49.66 | 49.61 | 49.53 | 49.35 | 49.21 | 49.66 | 48.92 | 48.14 | 47.11 | 46.77 | 49.77 | — | — | — |
| 〃 c | 46.48 45.77 | 47.58 47.00 | 49.76 | 51.70 | 52.70 | 53.32 | 52.70 | 51.62 | 50.76 | 49.54 | 49.64 | 49.72 | 49.66 | 49.70 | 49.54 | 49.62 | 49.38 | 49.22 | 48.94 | 48.82 | 48.88 | 48.36 | 47.56 | 46.16 46.64 | 49.66 | — | — | — |
| 〃 d | 47.57 48.57 | 49.60 50.55 | 51.35 | 52.82 | 53.64 | 53.47 | 52.82 | 51.00 | 50.22 | 49.72 | 49.95 | 49.65 | 50.52 | 49.55 | 49.80 | 49.50 | 49.35 | 49.05 | 49.50 | 49.40 | 48.95 | 47.92 | 47.37 | 46.90 47.97 | 50.03 | — | — | — |

Table 16 Horizontal Intensity 31900γ+.....γ August 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 67 | 57 | 52 | 65 | 78 | 79 | 83 | 79 | 75 | 65 | 70 | 75 | 74 | 78 | 71 | 73 | 70 | 68 | 71 | 73 | 75 | 75 | 67 | 60 | 70.8 | 83 | 51 | 32 |
| 2 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5 | — | — | — | — | 70 | 72 | 48 | 47 | 48 | 63 | 68 | 69 | 71 | 71 | 72 | 71 | 74 | 70 | 65 | 62 | 58 | (57) | (55) | (55) | — | 75 | 27 | 48 |
| 6 | 61 | 70 | 82 | 86 | 88 | 87 | 86 | 82 | 78 | 73 | 70 | 71 | 73 | 71 | 71 | 83 | 77 | 74 | 74 | 74 | 77 | 75 | 67 | 67 | 75.7 | 89 | 61 | 28 |
| 7 | 67 | (69) | 70 | 69 | 80 | 78 | 78 | 82 | 80 | 78 | 78 | 79 | 82 | 79 | 75 | 73 | 70 | 73 | 76 | 76 | 79 | 76 | 70 | 63 | 75.0 | 82 | 62 | 20 |
| 8 | 62 | 63 | 63 | 79 | 86 | 86 | 83 | 80 | 72 | 73 | 74 | 75 | 73 | 74 | 73 | 78 | 75 | 76 | 78 | 81 | 78 | 80 | 73 | 73 | 75.3 | 88 | 62 | 26 |
| 9 | (73) | 77 | 81 | 90 | 88 | 80 | 77 | 72 | 52 | 42 | 53 | 55 | 53 | 61 | 66 | 67 | 67 | 71 | 72 | 73 | 73 | 72 | 69 | 65 | 68.7 | 91 | 41 | 50 |
| 10 c | 67 | 74 | 80 | 86 | 83 | 79 | 82 | 80 | 80 | 78 | 80 | 83 | 81 | 81 | 82 | 81 | 84 | 85 | 84 | 87 | 87 | 87 | 81 | 77 | 81.2 | 88 | 67 | 21 |
| 11 | 82 | 93 | 96 | 97 | 96 | 92 | 92 | 92 | 90 | 90 | 86 | 88 | 89 | 88 | 92 | 89 | 89 | 89 | 94 | 96 | 97 | 97 | 83 | 69 | 90.2 | 98 | 66 | 32 |
| 12 | (68) | 69 | 70 | 68 | 78 | 87 | 94 | 96 | 91 | 96 | 94 | 103 | 97 | 98 | 91 | 87 | 78 | 78 | 82 | 82 | 86 | 82 | 78 | (76) | 84.3 | 104 | 62 | 42 |
| 13 | 78 | 78 | 85 | 81 | 91 | 101 | 104 | 95 | 49 | 73 | 82 | 83 | 81 | 80 | 83 | 78 | 75 | 74 | 81 | 82 | 75 | 76 | 70 | 66 | 80.0 | 105 | 48 | 57 |
| 14 | 66 | 68 | 75 | 85 | 92 | 97 | 94 | 86 | 88 | 81 | 76 | 82 | 86 | 82 | 87 | 88 | 85 | 84 | 84 | 84 | 82 | 78 | 75 | 72 | 82.4 | 102 | 66 | 36 |
| 15 | 75 | 82 | 83 | 103 | 106 | 102 | 93 | 90 | 90 | 88 | 87 | 86 | 81 | 79 | 76 | 73 | 76 | 78 | 81 | 79 | 79 | 75 | 69 | 65 | 83.2 | 109 | 63 | 46 |
| 16 c | 65 | 73 | 80 | 81 | 89 | 90 | 89 | 90 | 89 | 85 | 85 | 84 | 84 | 81 | 83 | 83 | 84 | 84 | 84 | 85 | 83 | 85 | 78 | 73 | 82.8 | 90 | 65 | 25 |
| 17 c | 74 | 85 | 91 | 100 | 100 | 105 | 110 | 107 | 102 | 93 | 92 | 107 | 95 | 93 | 107 | 91 | 91 | 92 | 90 | 84 | 86 | 85 | 73 | 74 | 92.8 | 112 | 71 | 41 |
| 18 c | 78 | 87 | 97 | 103 | 105 | 109 | 109 | 107 | 100 | 89 | 83 | 85 | 85 | 88 | 87 | 87 | 87 | 88 | 90 | 89 | 89 | 89 | 81 | 75 | 91.1 | 111 | 73 | 38 |
| 19 c | 73 | 90 | 109 | 111 | 112 | 109 | 105 | 105 | 102 | 95 | 97 | 95 | 95 | 96 | 91 | 88 | 85 | 87 | 86 | 89 | 88 | 88 | 81 | 70 | 93.6 | 112 | 64 | 48 |
| 20 | 64 | 61 | 66 | 81 | 89 | 99 | 104 | 75 | 96 | 90 | 90 | 90 | 90 | 94 | 96 | 75 | 99 | 98 | 103 | 103 | 100 | 104 | 102 | 103 | 90.5 | 105 | 61 | 44 |
| 21 | 91 | 102 | 97 | 98 | 104 | 95 | 79 | 69 | 81 | 85 | 83 | 77 | 75 | 73 | 70 | 73 | 75 | 76 | 89 | 91 | 88 | 85 | 81 | 66 | 83.5 | 107 | 55 | 52 |
| 22 | 56 | 57 | 68 | 78 | 83 | 89 | 98 | 107 | 105 | 95 | 93 | 87 | 87 | 85 | 86 | 79 | 84 | 78 | 83 | 81 | 81 | 75 | 71 | 68 | 82.2 | 109 | 56 | 53 |
| 23 | 63 | 61 | 68 | 77 | 88 | 91 | 78 | 83 | 89 | 84 | 74 | 70 | 74 | 79 | 78 | 83 | 71 | 75 | 76 | 78 | 79 | 80 | 79 | 78 | 77.3 | 92 | 60 | 32 |
| 24 | 70 | 63 | 69 | 77 | 88 | 93 | (92) | 90 | (89) | (87) | (85) | (84) | (83) | 82 | 83 | 81 | 83 | 83 | (82) | 82 | 80 | 81 | 76 | 67 | 81.2 | — | — | — |
| 25 | 63 | 57 | 62 | 68 | 72 | 81 | 93 | 93 | 87 | 84 | 84 | 87 | 87 | 88 | 81 | 83 | 90 | 92 | 92 | 93 | 94 | 90 | 85 | 73 | 82.5 | 95 | 57 | 38 |
| 26 | 76 | 83 | 89 | 95 | 98 | 101 | 104 | 100 | 94 | 89 | 88 | 89 | 88 | 90 | 85 | 83 | 82 | 81 | 84 | 87 | 88 | 88 | 82 | 78 | 88.4 | 104 | 76 | 28 |
| 27 d | 75 | 79 | 83 | 91 | 98 | 95 | 103 | 95 | 61 | 39 | 42 | 58 | 68 | 69 | 69 | 72 | 54 | 58 | 70 | 69 | 77 | 75 | 73 | 67 | 72.3 | 104 | 29 | 75 |
| 28 d | 60 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 29 d | 57 | 58 | 64 | 69 | 66 | 62 | 75 | 62 | 62 | 37 | 43 | 35 | 48 | 79 | 50 | 57 | 58 | 68 | 72 | 75 | 73 | 70 | 57 | 49 | 60.2 | 66 | 19 | 47 |
| 30 | 46 | 38 | 35 | 39 | 68 | 78 | 73 | 75 | 56 | 72 | 62 | 69 | 85 | 72 | 63 | 63 | 81 | 76 | 65 | 71 | 69 | 67 | 64 | 54 | 64.2 | 77 | 13 | 64 |
| 31 | 48 | 52 | 58 | 61 | (69) | (70) | 76 | 76 | 76 | 68 | 71 | 71 | 71 | 76 | 74 | 69 | 78 | 79 | 85 | 68 | 80 | 68 | 63 | 58 | 69.4 | — | — | — |
| mean | 67.7 | 71.0 | 75.9 | 82.2 | 88.3 | 89.8 | 90.5 | 87.2 | 82.1 | 78.0 | 77.8 | 79.5 | 80.0 | 81.4 | 79.6 | 78.3 | 78.8 | 79.4 | 81.8 | 82.0 | 82.4 | 80.9 | 74.9 | 69.5 | 80.0 | — | — | — |
| 〃 c | 71.4<br>74.2 | 81.8<br>83.2 | 91.4 | 96.2 | 97.8 | 98.4 | 99.0 | 97.8 | 94.6 | 88.0 | 87.4 | 90.8 | 88.0 | 87.8 | 90.0 | 86.0 | 86.2 | 87.2 | 86.8 | 86.8 | 86.6 | 86.8 | 78.8 | 70.4<br>73.8 | 88.3 | — | — | — |
| 〃 d | 66.0<br>53.0 | 68.5<br>38.0 | 73.5 | 80.0 | 82.0 | 78.5 | 89.0 | 78.5 | 61.5 | 38.0 | 42.5 | 46.5 | 55.5 | 74.0 | 59.5 | 64.5 | 56.0 | 63.0 | 71.0 | 72.0 | 75.0 | 72.5 | 65.0 | 78.0<br>58.0 | 66.3 | — | — | — |

Table 17 Horizontal Intensity 31900γ+.....γ September 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 33 | 34 | 42 | 50 | 56 | 57 | 52 | 60 | 61 | 60 | 63 | 64 | 63 | 62 | 74 | 52 | 57 | 60 | 60 | 58 | 58 | 56 | 50 | 40 | 55.1 | 75 | 30 | 45 |
| 2 | 32 | 28 | 37 | 45 | 41 | 57 | 61 | 62 | 58 | 60 | 62 | 61 | 62 | 53 | 63 | 54 | 58 | 60 | 62 | 60 | 61 | 58 | 54 | 45 | 53.9 | 65 | 26 | 39 |
| 3 c | 41 | 44 | 45 | 47 | 56 | 61 | 68 | 73 | 72 | 66 | 63 | 63 | 65 | 67 | 66 | 68 | 68 | 62 | 65 | 64 | 68 | 69 | 64 | 56 | 61.7 | 74 | 41 | 33 |
| 4 | 58 | 55 | 58 | 63 | 69 | 72 | 76 | 79 | 74 | 69 | 67 | 66 | 65 | 64 | 63 | 64 | 64 | 66 | 74 | 73 | 65 | 65 | 59 | 60 | 66.2 | 79 | 55 | 24 |
| 5 | (66) | 72 | 75 | 77 | 80 | 79 | 84 | 91 | 86 | 74 | 64 | 62 | 62 | 69 | 69 | 64 | 94 | 78 | 77 | 75 | 77 | 78 | 72 | 59 | 74.3 | 102 | 54 | 48 |
| 6 d | 53 | 48 | 56 | 77 | 93 | 107 | 98 | 66 | 69 | 68 | 57 | 30 | 3 | 25 | 24 | 24 | 57 | 23 | 35 | 37 | 44 | 45 | 44 | 40 | 51.0 | 111 | 3 | 108 |
| 7 | 40 | 33 | 36 | 43 | 52 | 55 | 57 | 59 | 57 | 50 | 57 | 52 | 57 | 56 | 54 | 53 | 56 | 57 | 60 | 70 | 68 | 69 | 61 | 64 | 54.8 | 70 | 33 | 37 |
| 8 d | (66) | 58 | 55 | 29 | 13 | 44 | 49 | 47 | 51 | 56 | 56 | 57 | 58 | 64 | 68 | 67 | 67 | 68 | 74 | 66 | 58 | 66 | 61 | 59 | 56.5 | 79 | 11 | 68 |
| 9 | 44 | 52 | 52 | 31 | 41 | 48 | 58 | 62 | 62 | 61 | 61 | 61 | 60 | 60 | 63 | 59 | 65 | 68 | 65 | 64 | 64 | 69 | 63 | 55 | 57.8 | 69 | 29 | 40 |
| 10 c | 47 | 45 | 47 | 55 | 66 | 69 | 73 | 73 | 73 | 69 | 66 | 67 | 67 | 67 | 69 | 69 | 68 | 69 | 70 | 71 | 70 | 68 | 66 | 65 | 65.4 | 74 | 45 | 29 |
| 11 c | 61 | (61) | 58 | (66) | 73 | 74 | 77 | 75 | 75 | 74 | 73 | 72 | 73 | 75 | 74 | 75 | 73 | 74 | 73 | 73 | 73 | 71 | 70 | 68 | 71.1 | 79 | 56 | 23 |
| 12 | 57 | 58 | 55 | 61 | 68 | 73 | 76 | 76 | 73 | 72 | 71 | 71 | 70 | 71 | 71 | 73 | 71 | 74 | 76 | 77 | 76 | 73 | 64 | 58 | 69.2 | 78 | 53 | 25 |
| 13 | 60 | 65 | 69 | 78 | 76 | 81 | 81 | 78 | 72 | 75 | 75 | 73 | 76 | 75 | 76 | 80 | 77 | 79 | 77 | 80 | 76 | 78 | 70 | 63 | 74.6 | 82 | 56 | 26 |
| 14 | 61 | 63 | 65 | 83 | 103 | 101 | 97 | 88 | 82 | 81 | (82) | 82 | 81 | 81 | 78 | 78 | 76 | 76 | 83 | 81 | 75 | 75 | 53 | 54 | 78.3 | 105 | 53 | 52 |
| 15 | 61 | 56 | 68 | 63 | (70) | 79 | 84 | 79 | 79 | 80 | (82) | 82 | 76 | 74 | 80 | 81 | 79 | 78 | 79 | 81 | 82 | 81 | 71 | 57 | 75.1 | 87 | 53 | 34 |
| 16 c | 54 | 60 | 67 | 76 | 82 | 92 | 93 | 91 | 88 | 84 | 83 | 81 | 77 | 74 | 86 | 79 | 77 | 78 | 78 | 80 | 84 | 86 | 80 | 70 | 79.2 | 93 | 53 | 40 |
| 17 c | 62 | 61 | 58 | 70 | 87 | 93 | 93 | 80 | 75 | 72 | 68 | 67 | 80 | 80 | 82 | 81 | 83 | 73 | 71 | 70 | 76 | 74 | 84 | 75 | 75.6 | 96 | 48 | 48 |
| 18 | 63 | 57 | 59 | 70 | 88 | 97 | 96 | 83 | 75 | 70 | 70 | 65 | 75 | 70 | 68 | 71 | 77 | 78 | 79 | 78 | 79 | 81 | 80 | 61 | 74.4 | 98 | 52 | 46 |
| 19 | 60 | 52 | 47 | 59 | 69 | 77 | 77 | 64 | 49 | 36 | 42 | 49 | 43 | 54 | 61 | 53 | 67 | 62 | 64 | 58 | 61 | 62 | 56 | 59 | 57.5 | 78 | 32 | 46 |
| 20 | 59 | 57 | 42 | 42 | 55 | 62 | 62 | 51 | 43 | 44 | 52 | 56 | 59 | 65 | 61 | 63 | 62 | 65 | 68 | 68 | 67 | 66 | 66 | 60 | 58.1 | 70 | 25 | 45 |
| 21 | 56 | 53 | 56 | 58 | 60 | 56 | 72 | 71 | 68 | 62 | 62 | 66 | 67 | 69 | 68 | 70 | 69 | 70 | 75 | 72 | 72 | 67 | 67 | 62 | 65.3 | 75 | 50 | 25 |
| 22 | 60 | 57 | 63 | 74 | 74 | 79 | 79 | 79 | 75 | 65 | 47 | 24 | 40 | 48 | 60 | 61 | 59 | 70 | 69 | 64 | 68 | 69 | 69 | 57 | 62.9 | 83 | 21 | 62 |
| 23 d | 51 | (49) | 47 | 53 | 72 | 79 | 72 | 70 | 65 | 28 | 26 | 26 | 17 | 29 | 36 | 49 | 59 | 57 | 82 | 67 | 56 | 59 | 65 | 53 | 53.0 | 87 | 16 | 71 |
| 24 d | 50 | 50 | 48 | 61 | 70 | 68 | 40 | 57 | 67 | 62 | 54 | 47 | 32 | 39 | 49 | 54 | 71 | 57 | 60 | 63 | 65 | 63 | 60 | 42 | 55.4 | 74 | 26 | 48 |
| 25 d | 42 | 44 | 31 | 40 | 57 | 52 | 55 | 33 | 22 | 45 | 43 | 58 | 43 | 57 | 49 | 42 | 64 | 58 | 61 | 56 | 54 | 64 | 44 | 52 | 48.6 | 75 | 18 | 57 |
| 26 | 49 | 45 | 48 | 54 | 65 | 59 | 60 | 52 | 60 | 56 | 56 | 63 | 59 | 61 | 64 | 63 | 63 | 64 | 63 | 63 | 66 | 63 | 63 | 51 | 58.7 | 71 | 39 | 32 |
| 27 | 39 | 26 | 45 | 56 | 69 | 76 | 75 | 61 | 61 | 63 | 52 | 48 | 59 | 72 | 57 | 57 | 52 | 56 | 61 | 62 | 65 | 62 | 59 | 54 | 57.8 | 81 | 21 | 60 |
| 28 | 48 | 45 | 44 | 54 | 64 | 73 | 69 | 56 | 54 | 56 | 53 | 54 | 50 | 54 | 53 | 54 | 54 | 60 | 62 | 64 | 66 | 67 | 64 | 59 | 57.4 | 73 | 43 | 30 |
| 29 | 60 | 55 | 62 | 72 | 81 | 93 | 96 | 89 | 79 | 74 | 61 | 58 | 64 | 67 | 70 | 69 | 70 | 67 | 68 | 65 | 63 | 66 | (62) | 51 | 69.2 | 96 | 42 | 54 |
| 30 | 42 | 39 | 47 | 53 | 63 | 72 | 74 | 60 | 46 | 46 | 53 | 58 | 54 | 56 | 56 | 60 | 51 | 58 | 61 | 63 | 65 | 66 | 60 | 60 | 56.8 | 76 | 37 | 39 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 52.5 | 50.6 | 52.7 | 58.7 | 66.9 | 72.5 | 73.5 | 68.8 | 65.7 | 62.6 | 60.7 | 59.4 | 58.6 | 61.9 | 63.7 | 62.9 | 66.9 | 65.5 | 68.4 | 67.4 | 67.4 | 67.9 | 63.4 | 57.0 | 63.2 | — | — | — |
| 〃 c | 53.0 60.2 | 54.2 57.4 | 55.0 | 62.8 | 72.8 | 77.8 | 80.8 | 78.4 | 76.6 | 73.0 | 70.6 | 70.0 | 72.4 | 72.6 | 75.4 | 74.4 | 73.8 | 71.2 | 71.4 | 71.6 | 74.2 | 73.6 | 72.8 | 58.4 65.8 | 70.6 | — | — | — |
| 〃 d | 52.4 45.0 | 49.8 44.8 | 47.4 | 52.0 | 61.0 | 70.0 | 62.8 | 54.6 | 54.8 | 51.8 | 47.2 | 43.6 | 30.6 | 42.8 | 45.2 | 47.2 | 63.6 | 52.6 | 62.4 | 57.8 | 55.4 | 59.4 | 54.8 | 56.2 50.4 | 52.9 | — | — | — |

Table 18 Horizontal Intensity 31900γ+.....γ October 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 53 | 48 | 53 | 68 | 80 | 84 | 82 | 81 | 75 | 65 | 63 | 63 | 67 | 74 | 77 | 71 | 69 | 68 | 72 | 70 | 70 | 73 | 73 | 71 | 69.6 | 85 | 45 | 40 |
| 2 | 63 | 78 | 87 | 84 | 92 | 98 | 93 | 82 | 74 | 66 | 55 | 60 | 39 | 47 | 67 | 62 | 65 | 75 | 72 | 74 | 70 | 68 | 66 | 58 | 70.6 | 98 | 37 | 61 |
| 3 | 54 | 55 | 56 | 64 | 72 | 78 | 72 | 66 | 61 | 66 | 58 | 65 | 70 | 70 | 80 | 72 | 71 | 72 | 73 | 75 | 76 | 77 | 76 | 65 | 68.5 | 87 | 53 | 34 |
| 4 | 57 | 45 | 41 | 54 | 66 | 75 | 82 | 82 | 82 | 77 | 75 | 79 | 80 | 73 | 77 | 87 | 85 | 89 | 85 | 87 | 87 | 85 | 79 | 71 | 75.0 | 91 | 40 | 51 |
| 5 | 68 | 65 | 63 | 73 | 84 | 95 | 103 | 97 | 89 | 84 | 77 | 71 | 71 | 71 | 74 | 82 | 79 | 78 | 76 | 80 | 81 | 80 | 77 | 70 | 78.7 | 104 | 60 | 44 |
| 6 c | 68 | 68 | 77 | 73 | 85 | 94 | 95 | 91 | 86 | 82 | 80 | 82 | 81 | 84 | 82 | 83 | 80 | 82 | 79 | 79 | 81 | 82 | 83 | 77 | 81.4 | 96 | 67 | 29 |
| 7 | 69 | 60 | 63 | 71 | 81 | 85 | 86 | 87 | 86 | 82 | 80 | 79 | 79 | 80 | 79 | 78 | 81 | 78 | 77 | 76 | 79 | 81 | 83 | 83 | 78.5 | 87 | 60 | 27 |
| 8 | 79 | 74 | (75) | (79) | 82 | 88 | 89 | 87 | 83 | 83 | 84 | 84 | 84 | 82 | 77 | 79 | 79 | 75 | 74 | 82 | 82 | 81 | 85 | 81 | 81.2 | 90 | 70 | 20 |
| 9 | 70 | 63 | 67 | 71 | 85 | 89 | 88 | 85 | 80 | 79 | 79 | 75 | 78 | 80 | 85 | 79 | 83 | 79 | 85 | 82 | 77 | 79 | 82 | 76 | 79.0 | 97 | 61 | 36 |
| 10 | 73 | 65 | 68 | 76 | 65 | 65 | 65 | 71 | 74 | 76 | 73 | 74 | 75 | 72 | 71 | 86 | 84 | 84 | 75 | 74 | 75 | 76 | 82 | 79 | 74.1 | 89 | 62 | 27 |
| 11 | 73 | 70 | 74 | 80 | 84 | 88 | 87 | 85 | 76 | 77 | 78 | 78 | 76 | 78 | 75 | 79 | 78 | 82 | 81 | 84 | 81 | 86 | 83 | 76 | 79.5 | 90 | 64 | 26 |
| 12 | 64 | 59 | 65 | 72 | 85 | 88 | 86 | 86 | 81 | 79 | 79 | 80 | 79 | 79 | 79 | 77 | 84 | 84 | 88 | 84 | 80 | 81 | 82 | 74 | 79.0 | 90 | 58 | 32 |
| 13 c | 65 | 66 | 73 | 80 | 89 | 94 | 95 | 94 | 90 | 85 | 79 | 84 | 83 | 82 | 85 | 91 | (81) | 82 | 84 | 82 | 83 | 82 | 81 | 73 | 82.6 | 95 | 65 | 30 |
| 14 c | 63 | 60 | 68 | 82 | 93 | 101 | 100 | 95 | 88 | 84 | 83 | 83 | 83 | 83 | 83 | 82 | 83 | 85 | 93 | 92 | 90 | 90 | 87 | 87 | 84.9 | 102 | 60 | 42 |
| 15 d | 83 | (85) | 71 | 86 | 98 | 107 | 118 | 115 | 87 | 42 | 27 | −3 | −18 | −10 | 29 | 36 | 25 | 20 | 55 | 49 | 48 | 52 | 49 | 53 | 54.3 | 125 | −18 | 143 |
| 16 d | 51 | 51 | 54 | 63 | 65 | 66 | 40 | 30 | 40 | 49 | 49 | 69 | 44 | 49 | 48 | 69 | 60 | 69 | 61 | 61 | 63 | 64 | 64 | 61 | 55.8 | 75 | 28 | 47 |
| 17 | 55 | 52 | 58 | 58 | 69 | 72 | 72 | 69 | 59 | 60 | 64 | 66 | 68 | 71 | 75 | 55 | 66 | — | — | — | — | — | — | — | — | 86 | 50 | 36 |
| 18 | — | — | — | — | — | — | — | — | — | — | — | — | 70 | 66 | 63 | 69 | 66 | 70 | 68 | 70 | 73 | 72 | 70 | 74 | — | 75 | 62 | 13 |
| 19 | 66 | 65 | 70 | 70 | 80 | 79 | 61 | 68 | 66 | 63 | 63 | 62 | 58 | 77 | 65 | 68 | 67 | 68 | 73 | 71 | 71 | 75 | 76 | 72 | 68.9 | 82 | 55 | 27 |
| 20 d | 71 | (70) | 73 | 77 | 84 | 89 | 88 | 84 | 77 | 68 | 64 | 72 | 67 | 55 | 43 | 59 | 53 | 61 | 48 | 47 | 66 | 46 | 61 | 64 | 66.1 | 89 | 42 | 47 |
| 21 d | 54 | 46 | 28 | 27 | 23 | 28 | 20 | 15 | 17 | 10 | 33 | 26 | 30 | 59 | 49 | 46 | 48 | 51 | 52 | 55 | 56 | 58 | 61 | 61 | 39.7 | 63 | 8 | 55 |
| 22 | 58 | 56 | 55 | 60 | 63 | 66 | 67 | 69 | 70 | 67 | 69 | 67 | 65 | 58 | 73 | 64 | 62 | 53 | 60 | 61 | 66 | 64 | 70 | 65 | 63.7 | 80 | 54 | 26 |
| 23 d | 62 | (55) | 63 | 70 | 73 | 78 | 80 | 78 | 67 | 43 | 37 | 34 | 43 | 45 | 47 | 74 | 55 | 61 | 65 | 66 | 65 | 71 | 66 | 64 | 61.0 | 81 | 3 | 78 |
| 24 | 64 | 66 | 70 | 78 | 75 | 76 | 70 | 68 | 67 | 56 | 40 | 50 | 56 | 69 | 64 | 63 | 66 | 66 | 67 | 66 | 66 | 70 | 74 | 67 | 65.6 | 85 | 40 | 45 |
| 25 | 63 | 61 | 59 | 58 | 53 | 62 | 57 | 56 | 51 | 49 | 46 | 43 | 43 | 40 | 43 | 45 | 67 | 64 | 66 | 65 | 67 | 67 | 70 | 72 | 57.0 | 73 | 38 | 35 |
| 26 c | 73 | 72 | 76 | 76 | 74 | 69 | 69 | 69 | 69 | 70 | 70 | 69 | 67 | 62 | 67 | 68 | 67 | 71 | 71 | 70 | 70 | 74 | 65 | 71 | 70.0 | 77 | 61 | 16 |
| 27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 70 | 53 | 58 | 64 | 66 | 69 | 67 | 64 | 60 | — | 80 | 29 | 51 |
| 28 c | 57 | 60 | 66 | 68 | 68 | 68 | 71 | 71 | 68 | 69 | 64 | 68 | 71 | 71 | 72 | 72 | 72 | 73 | 74 | 75 | 75 | 77 | 78 | 75 | 70.1 | 78 | 56 | 22 |
| 29 | 72 | 75 | 78 | 82 | 91 | 90 | 86 | 85 | 83 | 81 | 81 | 80 | 79 | 79 | 78 | 81 | 84 | 84 | 87 | 88 | 86 | 86 | 85 | 89 | 82.9 | 94 | 71 | 23 |
| 30 | 92 | 91 | 91 | 84 | 86 | 88 | 76 | 67 | 57 | 62 | 63 | 38 | 45 | 63 | 68 | 71 | 71 | 65 | 66 | 67 | 69 | 73 | 72 | 75 | 70.8 | 94 | 35 | 59 |
| 31 | 67 | 66 | 64 | 67 | 73 | 73 | 72 | 62 | 68 | 67 | 60 | 56 | 66 | 57 | 58 | 60 | — | — | — | — | — | — | — | — | — | 88 | 55 | 33 |
| mean | 66.1 | 64.1 | 66.1 | 71.3 | 76.9 | 81.0 | 78.8 | 76.5 | 72.0 | 67.2 | 64.8 | 64.2 | 62.8 | 65.6 | 68.0 | 71.3 | 70.8 | 71.1 | 72.6 | 72.7 | 73.3 | 74.0 | 74.4 | 71.5 | 70.7 | — | — | — |
| 〃 c | 65.2 71.7 | 65.2 70.0 | 72.0 | 75.8 | 81.8 | 85.2 | 86.0 | 84.0 | 80.2 | 78.0 | 75.2 | 77.2 | 77.0 | 76.4 | 77.8 | 79.2 | 76.6 | 78.6 | 80.2 | 79.6 | 79.8 | 81.0 | 78.8 | 69.8 76.6 | 77.8 | — | — | — |
| 〃 d | 64.2 56.4 | 62.0 54.2 | 57.8 | 64.6 | 68.6 | 73.6 | 69.2 | 64.4 | 57.6 | 42.4 | 42.0 | 39.6 | 33.2 | 39.6 | 43.2 | 56.8 | 48.2 | 52.4 | 56.2 | 55.6 | 59.6 | 58.2 | 60.2 | 55.2 60.6 | 55.4 | — | — | — |

Table 19 Horizontal Intensity 31900γ+.....γ November 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 78 | 79 | 84 | 84 | 70 | 51 | 42 | 20 | 28 | 25 | 28 | 28 | — | — | — | — | — | — | — | — | — | — | — | — | — | 85 | 14 | 71 |
| 2 | — | — | — | 78 | 75 | 66 | 63 | 70 | 63 | 67 | 67 | 63 | 59 | 55 | 63 | 66 | 69 | 69 | 70 | 75 | 73 | 74 | 78 | 79 | — | 80 | 51 | 29 |
| 3 | 80 | 78 | 78 | 78 | 78 | 74 | 67 | 68 | 65 | 57 | 66 | (71) | (70) | (66) | (68) | (70) | — | — | — | — | — | — | — | — | — | 82 | 55 | 27 |
| 4 | — | — | 76 | 86 | 92 | 80 | 82 | 82 | 81 | 76 | 75 | 75 | 77 | 75 | 78 | 79 | 76 | 84 | 85 | 78 | 75 | 76 | 81 | 72 | — | 93 | 67 | 26 |
| 5 | 68 | (71) | 67 | 66 | 72 | 68 | 72 | 78 | 80 | 77 | 75 | 74 | 70 | 63 | 69 | 70 | 73 | 81 | 78 | 74 | 79 | 82 | 78 | 74 | 73.3 | 87 | 62 | 25 |
| 6 c | 69 | 66 | 68 | 75 | 76 | 83 | 80 | 76 | 75 | 75 | 78 | 78 | 79 | 81 | 80 | 81 | 82 | 80 | 81 | 82 | 81 | 84 | 89 | 85 | 78.5 | 90 | 66 | 24 |
| 7 | 80 | (80) | 88 | 91 | 90 | 87 | 87 | 88 | 88 | 85 | 86 | 83 | 78 | 75 | 74 | 80 | 83 | 93 | 90 | 81 | 78 | 80 | 79 | 83 | 83.6 | 93 | 73 | 20 |
| 8 | 83 | (85) | 86 | 83 | 80 | 83 | 83 | 83 | 81 | 81 | 82 | 81 | 79 | 74 | 74 | 78 | 80 | 84 | 85 | 84 | 84 | 86 | 90 | 90 | 82.5 | 91 | 71 | 20 |
| 9 c | 85 | (80) | (82) | 83 | 85 | 85 | 84 | 89 | 89 | 90 | 89 | 89 | 90 | 90 | 89 | 89 | 91 | 88 | 90 | 89 | 88 | 92 | 95 | 93 | 88.1 | 95 | 82 | 13 |
| 10 c | 94 | 87 | 80 | 86 | 95 | 96 | 98 | 96 | (92) | 89 | (87) | (87) | (87) | (87) | (87) | (87) | 88 | 86 | 89 | 90 | 90 | 94 | 98 | 105 | 90.6 | 105 | 80 | 25 |
| 11 | 104 | 96 | 98 | 95 | 99 | 96 | 93 | 89 | 90 | 94 | 96 | 94 | 95 | 92 | 97 | 95 | 94 | 92 | 91 | 86 | 90 | 90 | 96 | 96 | 94.1 | 106 | 85 | 21 |
| 12 | 91 | 86 | 94 | 108 | 108 | 106 | 95 | 83 | 85 | 80 | 73 | 69 | 72 | — | — | — | — | — | — | — | — | — | — | — | — | 111 | 66 | 45 |
| 13 | — | — | 83 | 79 | 70 | 78 | 77 | 82 | 81 | 78 | 76 | 72 | 67 | 68 | 65 | 65 | 69 | 75 | 73 | 79 | 78 | 83 | 87 | 83 | — | 89 | 64 | 25 |
| 14 d | 83 | 86 | 92 | 92 | 84 | 84 | 75 | 63 | 61 | 45 | 56 | 66 | 68 | 93 | 66 | 66 | 61 | 66 | 72 | 73 | 75 | 77 | 76 | 81 | 73.4 | 96 | 40 | 56 |
| 15 d | 77 | 75 | 80 | 81 | 73 | 67 | 65 | 72 | 70 | 64 | 65 | 69 | 70 | 73 | 76 | 79 | 75 | 77 | 95 | 99 | 103 | 88 | 89 | 93 | 78.1 | 105 | 60 | 45 |
| 16 d | 90 | 91 | 83 | 57 | 58 | 52 | 45 | 37 | 41 | 53 | 37 | 56 | 54 | 51 | 47 | 69 | 64 | 63 | 64 | 67 | 66 | 69 | 69 | 71 | 60.6 | 91 | 33 | 58 |
| 17 d | 70 | 79 | (79) | 78 | 75 | 72 | 63 | 66 | 56 | 66 | 52 | 53 | 52 | 68 | 57 | 70 | 69 | 71 | 71 | 67 | 67 | 70 | 78 | 84 | 68.0 | 84 | 49 | 35 |
| 18 | 84 | 83 | 83 | 79 | 74 | 66 | 64 | 68 | 66 | 67 | 71 | 69 | 72 | 78 | 71 | 62 | 79 | 74 | 69 | 73 | 71 | 68 | 78 | 80 | 72.9 | 84 | 61 | 23 |
| 19 | 86 | 81 | 70 | 74 | 78 | 74 | 67 | 66 | 69 | 61 | 63 | 64 | 61 | 63 | 63 | 63 | 71 | 73 | 73 | 76 | 75 | 75 | 82 | 82 | 71.2 | 86 | 57 | 29 |
| 20 | 82 | 81 | 81 | 76 | 76 | 75 | 75 | 65 | 71 | 72 | 70 | 71 | 72 | 76 | 73 | 78 | 83 | 84 | 76 | 75 | 78 | 76 | 80 | 76 | 75.9 | 92 | 64 | 28 |
| 21 | 77 | 75 | 70 | 70 | 73 | 71 | 74 | 78 | 73 | 71 | 74 | 74 | 76 | 75 | 77 | 77 | 83 | 79 | 80 | 80 | 79 | 80 | 80 | 78 | 76.0 | 83 | 68 | 15 |
| 22 c | 74 | 74 | 71 | 72 | 73 | 75 | 77 | 76 | 72 | 75 | 77 | 77 | 78 | 75 | 74 | 73 | 75 | 79 | 81 | 79 | 79 | 82 | 85 | 87 | 76.7 | 87 | 71 | 16 |
| 23 | 86 | 83 | 79 | 75 | 75 | 77 | 81 | 84 | 83 | 81 | 81 | 81 | 78 | 72 | 75 | 79 | 81 | 82 | 83 | 83 | 87 | 88 | 89 | 91 | 81.4 | 95 | 70 | 25 |
| 24 c | 94 | 88 | 88 | 90 | 87 | 85 | 89 | 93 | 93 | 88 | 87 | 86 | 85 | 84 | 86 | 86 | 87 | 84 | 88 | 89 | 89 | 92 | 95 | 99 | 88.8 | 101 | 83 | 18 |
| 25 | 101 | 98 | 100 | 99 | 102 | 107 | 120 | 115 | 106 | 105 | 103 | 93 | 89 | 87 | 89 | 85 | 100 | 91 | 90 | 98 | 99 | 98 | 91 | 99 | 98.5 | 122 | 72 | 50 |
| 26 | 96 | (89) | 92 | 96 | 90 | 89 | 85 | 83 | 74 | 77 | 80 | 75 | 76 | 79 | 77 | 77 | 80 | 82 | 84 | 87 | 88 | 91 | 93 | 96 | 84.8 | 98 | 73 | 25 |
| 27 | 97 | (95) | (90) | 87 | 81 | 73 | 80 | 85 | 83 | 83 | 82 | 82 | 81 | 83 | 81 | 81 | 79 | 82 | 80 | 80 | 83 | 85 | 89 | 91 | 83.9 | 91 | 71 | 20 |
| 28 | 87 | 88 | 90 | 92 | 96 | 96 | 89 | 85 | 81 | 74 | 74 | 76 | 82 | 71 | 66 | 73 | 76 | 93 | 88 | 86 | 86 | 91 | 97 | 101 | 84.9 | 107 | 60 | 47 |
| 29 | 105 | 104 | (102) | (102) | 94 | 92 | 94 | 82 | 77 | 76 | 73 | 76 | 74 | 74 | 73 | 91 | 81 | 75 | 76 | 74 | 75 | 76 | 78 | 82 | 83.6 | 102 | 67 | 35 |
| 30 | 82 | 82 | 85 | 88 | 92 | 94 | 91 | 85 | 75 | 72 | 72 | 74 | 77 | 81 | 79 | 79 | 81 | 81 | 82 | 87 | 82 | 83 | 85 | 86 | 82.3 | 95 | 70 | 25 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 86.5 | 84.0 | 83.5 | 82.8 | 82.4 | 81.1 | 80.5 | 79.3 | 77.0 | 76.0 | 75.4 | 76.1 | 76.0 | 76.9 | 75.0 | 77.9 | 79.9 | 80.8 | 81.5 | 81.6 | 82.2 | 83.2 | 85.8 | 87.6 | 80.5 | — | — | — |
| 〃 c | 83.2<br>93.0 | 79.0<br>88.8 | 77.8 | 81.2 | 83.2 | 84.8 | 85.6 | 86.0 | 84.2 | 83.4 | 83.6 | 83.4 | 83.8 | 83.4 | 83.2 | 83.2 | 84.6 | 83.4 | 85.8 | 85.8 | 85.4 | 88.8 | 92.4 | 85.2<br>93.8 | 84.5 | — | — | — |
| 〃 d | 80.0<br>80.2 | 82.7<br>82.0 | 83.5 | 77.0 | 72.5 | 68.7 | 62.0 | 59.4 | 57.0 | 57.0 | 52.5 | 61.0 | 61.0 | 71.2 | 61.5 | 71.0 | 67.2 | 69.2 | 75.5 | 76.5 | 77.7 | 76.0 | 78.0 | 82.0<br>82.2 | 70.0 | — | — | — |

Table 20 Horizontal Intensity 31900γ+.....γ December 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 89 | 79 | 79 | 81 | 84 | 92 | 95 | 98 | 86 | 81 | 72 | 69 | 74 | 78 | 79 | 80 | 81 | 91 | 84 | 87 | 78 | 81 | 83 | 84 | 82.7 | 98 | 69 | 29 |
| 2 | 81 | 76 | (77) | 79 | 84 | 85 | 85 | 86 | 86 | 85 | 81 | 81 | 81 | 82 | 82 | 81 | 82 | 82 | 83 | 83 | 94 | 88 | 90 | 93 | 83.6 | 97 | 75 | 22 |
| 3 | 86 | 85 | 81 | 82 | 85 | 87 | 88 | 90 | 88 | 86 | 82 | 70 | 74 | 79 | 81 | 82 | 83 | 84 | 84 | 83 | 85 | 87 | 87 | 93 | 83.7 | 94 | 69 | 25 |
| 4 | 89 | 87 | 80 | 77 | 79 | 85 | 85 | 85 | 85 | 78 | 79 | 78 | 80 | 87 | 75 | 76 | 85 | 85 | 89 | 87 | 87 | 91 | 92 | 94 | 84.0 | 96 | 74 | 22 |
| 5 c | 94 | (94) | 90 | 88 | 86 | 85 | 87 | 91 | 91 | 86 | 85 | 84 | 84 | 85 | 86 | 86 | 86 | 86 | 87 | 88 | 89 | 88 | 89 | 91 | 87.7 | 94 | 82 | 12 |
| 6 | 88 | 83 | 84 | 91 | 97 | 98 | 100 | 94 | 85 | 81 | 79 | 75 | 76 | 79 | 84 | 83 | 89 | 88 | 89 | 95 | 92 | 92 | 91 | 95 | 87.8 | 104 | 74 | 30 |
| 7 c | 91 | 88 | 86 | 86 | 87 | 87 | 88 | 94 | 94 | 92 | 89 | 91 | 90 | 89 | 89 | 91 | 92 | 91 | 91 | 93 | 93 | 93 | 96 | 97 | 90.7 | 100 | 84 | 16 |
| 8 d | 100 | 106 | 106 | 110 | 113 | 102 | 81 | 93 | 91 | 91 | 89 | 75 | 65 | 77 | 77 | 87 | 89 | 96 | 90 | 98 | 103 | 110 | 110 | 103 | 94.2 | 126 | 64 | 62 |
| 9 | 111 | 95 | 91 | 81 | 75 | 69 | 69 | 60 | 55 | 58 | 61 | 60 | 59 | 62 | 57 | 74 | 78 | 75 | 77 | 79 | 79 | 79 | 83 | 86 | 73.9 | 111 | 52 | 59 |
| 10 | 89 | 87 | 83 | 83 | 80 | 79 | 77 | 82 | 77 | 78 | 74 | 78 | 72 | 68 | 70 | 63 | 70 | 75 | 77 | 87 | 82 | 83 | 83 | 84 | 78.4 | 89 | 63 | 26 |
| 11 | 85 | 84 | 81 | 80 | 77 | 74 | 75 | 76 | 78 | 76 | 75 | 76 | 78 | 80 | 80 | 80 | 81 | 84 | 85 | 83 | 83 | 85 | 89 | 90 | 80.6 | 92 | 74 | 18 |
| 12 c | 87 | 83 | 78 | 77 | 75 | 75 | 74 | 74 | 73 | 72 | 74 | 75 | 79 | 80 | 80 | 80 | 80 | 80 | 82 | 82 | 83 | 85 | 86 | 93 | 79.5 | 96 | 69 | 27 |
| 13 | 96 | 95 | (97) | 95 | 92 | 90 | 83 | 85 | 87 | 84 | 80 | 80 | 82 | 83 | 71 | 70 | 61 | 86 | 84 | 76 | 82 | 82 | 83 | 89 | 83.9 | 99 | 59 | 40 |
| 14 d | 94 | 97 | 91 | 97 | 91 | 89 | 92 | 98 | 96 | 91 | 80 | 62 | 79 | (69) | 38 | 57 | 48 | 54 | 45 | 45 | 57 | 47 | 69 | 61 | 72.4 | 102 | 19 | 83 |
| 15 d | 51 | 55 | 43 | 37 | 37 | 45 | 49 | 51 | 48 | 43 | 33 | 41 | 49 | 45 | 67 | 54 | 50 | 60 | 53 | 64 | 67 | 62 | 50 | 45 | 50.0 | 69 | 32 | 37 |
| 16 d | 38 | 40 | 40 | 35 | 46 | 52 | 54 | 52 | 54 | 46 | 41 | 38 | 51 | 56 | 58 | 61 | 62 | 77 | 68 | 55 | 59 | 61 | 61 | 57 | 52.6 | 85 | 35 | 50 |
| 17 d | 58 | 45 | 51 | 55 | 54 | 57 | 59 | 57 | 52 | 44 | 41 | 41 | 56 | 47 | 38 | 42 | 55 | 48 | 53 | 65 | 67 | 65 | 70 | 77 | 54.0 | 85 | 34 | 51 |
| 18 | 85 | 85 | 80 | 78 | 70 | 70 | 74 | 70 | 63 | 56 | 50 | 52 | 53 | 53 | 72 | 65 | 69 | 71 | 71 | 73 | 73 | 73 | 78 | 83 | 69.2 | 88 | 48 | 40 |
| 19 | 88 | 87 | 84 | 78 | 78 | 80 | 79 | 80 | 74 | 70 | 72 | 73 | 66 | 65 | 70 | 61 | 69 | 73 | 75 | 77 | 78 | 85 | 87 | 94 | 76.8 | 98 | 61 | 37 |
| 20 | 97 | 96 | 88 | 88 | 85 | 83 | 81 | 79 | 78 | 71 | 75 | 74 | 74 | 76 | 78 | 79 | 80 | 81 | 82 | 82 | 83 | 84 | 86 | 90 | 82.1 | 100 | 71 | 29 |
| 21 c | 88 | 86 | 79 | 80 | 81 | 85 | 86 | 84 | 79 | 74 | 73 | 73 | 72 | 73 | 82 | 78 | 81 | 81 | 82 | 84 | 84 | 84 | 86 | 89 | 81.0 | 91 | 71 | 20 |
| 22 | 91 | 91 | 92 | 89 | 84 | 86 | 89 | 96 | 83 | 79 | 76 | 81 | 78 | 77 | 75 | 73 | 78 | 87 | 84 | 85 | 85 | 88 | 92 | 92 | 84.6 | 94 | 73 | 21 |
| 23 c | 93 | 90 | 89 | 84 | 83 | 85 | 87 | 88 | 89 | 83 | 83 | 72 | 70 | 74 | 79 | 80 | 82 | 83 | 85 | 86 | 88 | 87 | 86 | 95 | 84.2 | 98 | 69 | 29 |
| 24 | 97 | 91 | 85 | 83 | 90 | 93 | 94 | 95 | 91 | 85 | 84 | 85 | 89 | 87 | 87 | 82 | 84 | 86 | 89 | 94 | 97 | 95 | 97 | 98 | 89.9 | 99 | 83 | 16 |
| 25 | 96 | 97 | 92 | 90 | 91 | 90 | 103 | 110 | 108 | 99 | 90 | 93 | 86 | 86 | 80 | 74 | 80 | 79 | 76 | 76 | 73 | 84 | 78 | 87 | 88.2 | 113 | 73 | 40 |
| 26 | 94 | 81 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 27 | — | — | 69 | 75 | 79 | 81 | 80 | 81 | 76 | 77 | 69 | 59 | 73 | 77 | 68 | 71 | 76 | 74 | 72 | 74 | 74 | 74 | 78 | 84 | — | 87 | 58 | 29 |
| 28 | 87 | 88 | 87 | 84 | 85 | 84 | 84 | 82 | 79 | 76 | 78 | 76 | 81 | 74 | 62 | 81 | 75 | 84 | 72 | 82 | 80 | 78 | 87 | 88 | 80.6 | 91 | 59 | 32 |
| 29 | 91 | 88 | 83 | 79 | 74 | 74 | 75 | 83 | 78 | 77 | 76 | 79 | 74 | 73 | 82 | 76 | 75 | 79 | 77 | 76 | 78 | 80 | 86 | — | — | 91 | 73 | 18 |
| 30 | — | — | — | — | — | — | — | — | — | — | 78 | 74 | 79 | 75 | 77 | 71 | 75 | 77 | 80 | 85 | 80 | 74 | 78 | 82 | — | 88 | 70 | 18 |
| 31 | 88 | 87 | 84 | (86) | 85 | 83 | 85 | 78 | 80 | 83 | 81 | 78 | 74 | 78 | 77 | 84 | 84 | 80 | 77 | 81 | 81 | 87 | 84 | 84 | 82.0 | — | — | — |
| mean | 86.6 | 84.3 | 81.4 | 80.4 | 80.5 | 81.1 | 81.6 | 82.5 | 79.6 | 75.8 | 73.2 | 71.5 | 73.0 | 73.3 | 73.1 | 74.2 | 76.1 | 79.5 | 78.3 | 80.4 | 81.6 | 82.4 | 84.2 | 86.4 | 79.2 | — | — | — |
| 〃 c | 90.6<br>94.4 | 88.2<br>93.2 | 84.4 | 83.0 | 82.4 | 83.4 | 84.4 | 86.2 | 85.2 | 81.4 | 80.8 | 79.0 | 79.0 | 80.2 | 83.2 | 83.0 | 84.2 | 84.2 | 85.4 | 86.6 | 87.4 | 87.4 | 88.6 | 92.2<br>93.0 | 84.6 | — | — | — |
| 〃 d | 68.2<br>68.3 | 68.6<br>64.0 | 66.2 | 66.8 | 68.2 | 69.0 | 67.0 | 70.2 | 68.2 | 63.0 | 56.8 | 51.4 | 60.0 | 56.8 | 55.6 | 60.2 | 60.8 | 67.0 | 61.8 | 65.4 | 70.6 | 69.0 | 72.0 | 69.8<br>68.6 | 64.7 | — | — | — |

(948)

Table 21 Horizontal Intensity 31900γ+.....γ January 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 89 | 86 | 77 | 81 | 83 | 85 | 86 | 89 | 88 | 84 | 84 | 78 | 78 | 82 | 80 | 90 | 86 | 71 | 69 | 79 | 89 | 84 | 81 | 84 | 82.6 | 98 | 65 | 33 |
| 2 | 86 | 80 | (5[illegible]) | 68 | 74 | 7[illegible] | 66 | (88) | 78 | 70 | 76 | 65 | 77 | 78 | 75 | 76 | 75 | 76 | 77 | 81 | 79 | 77 | 77 | 82 | 75.4 | 87 | 56 | 31 |
| 3 | 83 | 74 | 62 | 68 | 73 | 74 | 78 | 78 | 79 | 80 | 81 | 79 | 79 | 76 | 82 | 81 | 79 | 81 | 81 | 82 | 81 | 83 | 85 | 81 | 78.3 | 86 | 62 | 24 |
| 4 c | 79 | 81 | 76 | 74 | 76 | 76 | 78 | 78 | 81 | 84 | 83 | 82 | 85 | 84 | 79 | 85 | 79 | 81 | 84 | 83 | 84 | 85 | 87 | 91 | 81.5 | 92 | 72 | 20 |
| 5 c | 91 | 87 | (85) | 81 | 76 | 77 | 81 | 85 | 88 | 88 | 86 | 86 | 86 | 86 | 86 | 84 | 84 | 86 | 86 | 88 | 88 | 90 | 93 | 98 | 86.0 | 99 | 75 | 24 |
| 6 | 97 | 92 | 84 | 87 | 86 | 8[illegible] | 86 | 78 | 87 | 78 | 57 | 52 | 43 | 47 | 76 | 65 | 66 | 70 | 70 | 73 | 81 | 86 | 86 | 87 | 75.8 | 101 | 41 | 60 |
| 7 | 85 | 84 | 79 | 74 | 72 | 7[illegible] | 71 | 79 | 81 | 81 | 79 | 76 | 75 | 73 | 74 | 79 | 73 | 85 | 73 | 74 | 79 | 83 | 90 | 92 | 78.5 | 96 | 71 | 25 |
| 8 | 94 | 86 | 86 | 90 | 80 | 8[illegible] | 85 | 85 | 84 | 82 | 84 | 83 | 84 | 84 | 81 | 83 | 85 | 84 | 89 | 87 | 87 | 88 | 92 | 98 | 86.0 | 106 | 81 | 25 |
| 9 | 106 | 104 | 101 | 96 | 93 | 92 | 91 | 91 | 90 | 89 | 88 | 88 | 85 | 87 | 91 | 89 | 79 | 79 | 83 | 88 | 86 | 88 | 88 | 98 | 90.8 | 106 | 79 | 27 |
| 10 c | 101 | 97 | 96 | 99 | 95 | 8[illegible] | 91 | 92 | 89 | 86 | 85 | 86 | 85 | 84 | 86 | 89 | 87 | 87 | 87 | 90 | 89 | 90 | 90 | 93 | 90.1 | 101 | 83 | 18 |
| 11 c | 92 | 81 | 74 | 77 | 79 | 8[illegible] | 88 | 88 | 88 | 85 | 82 | 84 | 83 | 82 | 83 | 84 | 85 | 87 | 88 | 91 | 91 | 94 | 95 | 103 | 86.1 | 103 | 66 | 37 |
| 12 | 103 | 100 | 91 | 94 | 99 | 98 | 99 | 97 | 97 | 98 | 95 | 91 | 94 | 96 | 99 | 97 | 94 | 99 | 99 | 100 | 100 | 100 | 100 | 100 | 97.5 | 105 | 90 | 15 |
| 13 | 102 | 103 | 98 | 98 | 101 | 102 | 106 | 105 | 100 | 101 | 97 | 91 | 91 | 91 | 91 | 92 | 92 | 94 | 92 | 88 | 93 | 92 | 96 | 104 | 96.7 | 105 | 88 | 17 |
| 14 | 105 | 95 | 93 | 98 | 102 | 102 | 102 | 103 | 101 | 98 | 96 | 94 | 94 | 94 | 94 | 94 | 93 | 90 | 89 | 92 | 91 | 96 | 96 | 93 | 96.0 | 105 | 78 | 27 |
| 15 | 88 | 88 | 86 | 83 | 78 | 66 | 44 | 48 | 29 | 10 | 40 | 44 | 49 | 55 | 57 | 60 | 60 | 64 | 67 | 72 | 71 | 73 | 72 | 79 | 61.8 | 85 | −2 | 87 |
| 16 | 77 | 72 | 61 | 63 | 68 | 72 | 64 | 72 | 65 | 53 | 60 | 66 | 63 | 71 | 71 | 73 | 77 | 75 | 75 | 80 | 82 | 82 | 84 | 85 | 71.3 | 78 | 44 | 34 |
| 17 | 84 | 79 | 73 | 79 | 76 | 85 | 89 | 90 | 85 | 70 | 73 | 77 | 75 | 78 | 80 | 83 | 82 | 83 | 83 | 81 | 83 | 83 | 84 | 86 | 80.9 | 84 | 62 | 22 |
| 18 | 82 | 75 | 73 | 82 | 84 | 81 | 84 | 87 | 85 | 80 | 82 | 81 | 80 | 79 | 81 | 82 | 83 | 84 | 83 | 88 | 90 | 90 | 91 | 90 | 83.2 | 84 | 66 | 18 |
| 19 d | 83 | 80 | 78 | 85 | 91 | 96 | 90 | 83 | 84 | 85 | 81 | 86 | 88 | 70 | 55 | 45 | 59 | 59 | 60 | 66 | 77 | 77 | 81 | 86 | 76.9 | 91 | 29 | 62 |
| 20 | 96 | 95 | 92 | 98 | 83 | 52 | 54 | 59 | 61 | 60 | 59 | 64 | 65 | 64 | 65 | 68 | 69 | 76 | 76 | 76 | 76 | 77 | 77 | 85 | 72.8 | 92 | 41 | 51 |
| 21 c | 82 | 78 | 76 | 81 | 82 | 84 | 85 | 88 | 86 | 83 | 84 | 84 | 85 | 80 | 75 | 79 | 79 | 80 | 84 | 86 | 88 | 90 | 94 | 95 | 83.1 | 89 | 67 | 22 |
| 22 d | 88 | 80 | 74 | 96 | 77 | 87 | 96 | 79 | 73 | 70 | 68 | 87 | 70 | 71 | 81 | 68 | 73 | 62 | 66 | 62 | 61 | 58 | 74 | 69 | 74.6 | 93 | 49 | 44 |
| 23 | 63 | 46 | 45 | 52 | 60 | 5[illegible] | 54 | 55 | 61 | 56 | 60 | 57 | 63 | 64 | 57 | 61 | 58 | 57 | 62 | 65 | 79 | 73 | 83 | 89 | 61.6 | 87 | 38 | 49 |
| 24 | 85 | 56 | 55 | 50 | 50 | 56 | 66 | 64 | 64 | 66 | 53 | 58 | 54 | 67 | 64 | 67 | 67 | 63 | 61 | 63 | 68 | 70 | 73 | 79 | 63.3 | 79 | 41 | 38 |
| 25 | 78 | 72 | (60) | 64 | 62 | 62 | 68 | 69 | 65 | 69 | 71 | 71 | 68 | 66 | 79 | 74 | 66 | 64 | 65 | 68 | 72 | 75 | 71 | 79 | 69.1 | 74 | 51 | 23 |
| 26 | 77 | 67 | 65 | 58 | 60 | 58 | 66 | 67 | 70 | 69 | 78 | 77 | 82 | 70 | 79 | 84 | 81 | 71 | 71 | 83 | 81 | 84 | 81 | (85) | 73.5 | 78 | 50 | 28 |
| 27 d | 86 | 78 | 82 | 82 | 80 | 68 | 72 | 73 | 72 | 69 | 61 | 74 | 66 | 84 | 74 | 90 | 79 | 83 | 89 | 76 | 70 | 66 | 74 | 83 | 76.3 | 85 | 54 | 31 |
| 28 d | 83 | 80 | 81 | 70 | 76 | 79 | 74 | 74 | 70 | 56 | 67 | 62 | 71 | 90 | 81 | 69 | 84 | 69 | 80 | 76 | 71 | 70 | 72 | 65 | 73.7 | 84 | 49 | 35 |
| 29 | 69 | 69 | 62 | 68 | 73 | 78 | 83 | 83 | 79 | 77 | 70 | 67 | 66 | 69 | 64 | 60 | 62 | 59 | 62 | 66 | 66 | 72 | 74 | 75 | 69.7 | 77 | 50 | 27 |
| 30 | 73 | 66 | 57 | 54 | 60 | 77 | 80 | 76 | 69 | 65 | 68 | 70 | 70 | 69 | 69 | 70 | 82 | 72 | 73 | 73 | 77 | 69 | 76 | 79 | 70.6 | 75 | 46 | 29 |
| 31 | 77 | 67 | 60 | 60 | 70 | 78 | 81 | 76 | 76 | 77 | 73 | 74 | 71 | 71 | 73 | 69 | 70 | 81 | 76 | 73 | 74 | 76 | 75 | 78 | 73.2 | 74 | 52 | 22 |
| mean | 86.6 | 80.6 | 75.4 | 77.7 | 78.0 | 78.[illegible] | 79.4 | 79.8 | 78.2 | 74.8 | 74.9 | 75.3 | 75.0 | 76.2 | 76.8 | 77.1 | 77.0 | 76.5 | 77.4 | 79.0 | 80.8 | 81.3 | 83.6 | 86.8 | 78.6 | — | — | — |
| 〃 c | 89.0<br>94.2 | 84.8<br>88.0 | 81.0 | 82.4 | 81.6 | 81.8 | 84.6 | 86.2 | 86.4 | 85.2 | 84.0 | 84.6 | 84.8 | 83.2 | 81.8 | 84.2 | 82.8 | 84.2 | 85.8 | 87.6 | 88.0 | 89.8 | 91.8 | 89.6<br>96.0 | 85.5 | — | — | — |
| 〃 d | 85.8<br>79.4 | 80.8<br>74.0 | 78.4 | 82.8 | 81.4 | 83.[illegible] | 83.6 | 79.6 | 77.4 | 72.8 | 72.2 | 77.4 | 74.6 | 79.4 | 74.2 | 72.4 | 76.2 | 68.8 | 72.8 | 71.8 | 73.6 | 71.0 | 76.4 | 87.4<br>77.4 | 76.8 | — | — | — |

(348)

Table 22 Horizontal Intensity 31900γ+.....γ February 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 76 | 71 | 63 | 58 | 67 | 71 | 73 | 78 | 79 | 79 | 77 | 73 | 77 | 77 | 77 | 76 | 78 | 79 | 79 | 80 | 80 | 83 | 83 | 85 | 75.8 | 85 | 59 | 26 |
| 2 | 76 | 63 | 58 | 65 | 69 | 77 | 85 | 86 | 84 | 67 | 68 | 76 | 77 | 88 | 88 | 90 | 94 | 79 | 73 | 80 | 78 | 81 | 88 | 91 | 78.4 | 97 | 59 | 38 |
| 3 | 90 | 81 | 74 | 73 | 74 | 77 | 80 | 81 | 81 | 78 | 76 | 78 | 78 | 76 | 73 | 77 | 75 | 83 | 83 | 87 | 91 | 85 | 82 | 98 | 80.5 | 107 | 71 | 36 |
| 4 | 105 | 101 | 89 | 85 | 83 | 83 | 84 | 86 | 88 | 82 | 72 | 75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 c | — | — | — | 86 | 82 | 81 | 86 | 84 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 81 | — | — | — | — |
| 10 | 80 | 81 | 82 | 82 | 82 | 82 | 84 | 82 | 82 | 80 | 81 | 82 | 82 | 82 | 82 | 84 | 80 | 80 | 79 | 77 | 81 | 81 | 81 | 82 | 81.3 | — | — | — |
| 11 c | 82 | 82 | 82 | 85 | 82 | 81 | 81 | 82 | 87 | 87 | 87 | 86 | 87 | 87 | 86 | 86 | 86 | 86 | 86 | 85 | 85 | 85 | 84 | 84 | 84.6 | — | — | — |
| 12 | 85 | 86 | — | — | — | — | — | — | — | — | (12) | 12 | 20 | — | — | — | — | — | — | — | — | — | 65 | 62 | — | — | — | — |
| 13 c | 63 | 65 | (64) | (62) | (61) | 59 | 62 | 65 | 63 | 61 | 59 | 59 | 60 | 61 | 60 | 62 | 61 | 60 | 61 | (61) | (61) | (61) | (61) | 60 | 61.3 | — | — | — |
| 14 | (63) | (63) | (63) | 64 | 69 | 76 | 80 | 77 | 68 | 67 | 65 | 52 | 50 | 57 | 59 | 70 | 72 | 73 | 76 | 75 | 71 | 69 | 72 | 78 | 67.9 | — | — | — |
| 15 | 73 | 68 | 64 | 68 | 70 | 67 | 74 | 76 | 73 | 55 | 64 | 62 | 51 | 60 | 61 | 62 | 84 | 69 | 74 | 66 | 65 | 65 | 67 | 62 | 66.7 | 85 | 47 | 38 |
| 16 c | 62 | 62 | 70 | 78 | 76 | 78 | 77 | 72 | 65 | 62 | 61 | 61 | 65 | 65 | (63) | 66 | 66 | 64 | 65 | 65 | 64 | 66 | 68 | 69 | 67.1 | 79 | 58 | 21 |
| 17 c | 69 | 66 | 64 | 64 | 68 | 73 | 76 | 76 | 74 | (72) | 69 | 69 | 68 | 67 | 68 | 69 | 71 | 72 | 73 | 74 | 76 | 76 | 78 | 86 | 71.6 | 91 | 62 | 29 |
| 18 | 91 | 92 | 88 | 81 | 78 | 81 | 82 | 81 | 80 | 80 | 80 | 78 | 77 | 76 | 76 | 78 | 78 | 77 | 74 | 69 | 65 | 74 | 76 | 79 | 78.8 | 93 | 63 | 30 |
| 19 d | 76 | 74 | 74 | 85 | 86 | 90 | 84 | 82 | 77 | 86 | 88 | 67 | 33 | 17 | −1 | 51 | 47 | 40 | 47 | 53 | 57 | 45 | 57 | 59 | 61.4 | 91 | −2 | 93 |
| 20 | 50 | 44 | 49 | 58 | 56 | 51 | 44 | 51 | 54 | 45 | 34 | 46 | 42 | 51 | 45 | 47 | 46 | 49 | 51 | 58 | 58 | 62 | 61 | 59 | 50.5 | 65 | 27 | 38 |
| 21 d | 57 | 69 | 64 | 51 | 33 | 36 | 50 | 55 | 53 | 51 | 50 | 53 | 43 | 61 | 41 | 58 | 59 | 45 | 40 | 55 | 64 | 65 | 59 | 74 | 53.6 | 75 | 29 | 46 |
| 22 d | 65 | 50 | 72 | 55 | 54 | 44 | 41 | 40 | 49 | 47 | 48 | 50 | 56 | 65 | 61 | 80 | 62 | 57 | 68 | 70 | 56 | 54 | 55 | 74 | 57.2 | 83 | 38 | 45 |
| 23 d | 38 | 47 | 52 | 51 | 67 | 72 | 70 | 49 | 35 | 50 | 54 | 55 | 56 | 57 | 67 | 52 | 53 | 61 | 47 | 47 | 43 | 41 | 37 | — | — | 76 | 30 | 46 |
| 24 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 25 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 26 | — | — | — | — | — | — | 44 | 46 | 55 | 58 | 56 | 45 | 46 | 48 | 63 | 58 | 57 | 62 | 59 | 63 | 61 | 62 | 71 | 59 | — | — | — | — |
| 27 | 56 | 55 | 53 | 46 | 62 | 70 | 73 | 76 | 75 | 66 | 59 | 51 | 58 | 58 | 61 | 60 | 62 | 66 | 67 | 61 | 62 | 62 | 59 | 61 | 61.6 | 77 | 44 | 33 |
| 28 | 52 | 54 | 56 | 51 | 55 | 64 | 67 | 66 | 64 | 60 | 64 | 65 | 65 | 66 | 67 | 67 | 69 | 71 | 69 | 68 | 65 | 66 | 67 | 70 | 63.7 | 72 | 49 | 23 |
| 29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 67.7 | 65.9 | 66.2 | 65.4 | 67.2 | 69.4 | 71.3 | 70.8 | 69.1 | 66.4 | 65.8 | 64.6 | 62.5 | 65.1 | 63.0 | 68.6 | 69.1 | 67.3 | 67.3 | 68.4 | 67.9 | 67.8 | 68.6 | 74.8 | 67.5 | — | — | — |
| 〃 c | 69.0<br>77.0 | 68.7<br>76.7 | 70.0 | 72.2 | 71.7 | 72.7 | 74.0 | 73.7 | 72.2 | 70.5 | 69.0 | 68.7 | 70.0 | 70.0 | 69.2 | 70.7 | 71.0 | 70.5 | 71.2 | 71.2 | 71.5 | 72.0 | 72.7 | 68.7<br>74.7 | 71.1 | — | — | — |
| 〃 d | 59.0<br>51.0 | 60.0<br>47.0 | 65.5 | 60.5 | 60.0 | 60.5 | 61.2 | 56.5 | 53.5 | 58.5 | 60.0 | 56.2 | 37.6 | 50.0 | 42.0 | 60.2 | 55.2 | 50.7 | 50.5 | 56.2 | 55.0 | 51.2 | 52.0 | 53.0<br>69.0 | 55.9 | — | — | — |

Table 23 Horizontal Intensity 31900γ+.....γ March 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 65 | 63 | 63 | 62 | 64 | 67 | 69 | 66 | 64 | 65 | 64 | 66 | 66 | 64 | 65 | 65 | 67 | 68 | 66 | 66 | 69 | 67 | 71 | 71 | 65.7 | 73 | 61 | 12 |
| 2 | 64 | 65 | 65 | 65 | 65 | 74 | 75 | 74 | 71 | 70 | 64 | 68 | 72 | 75 | 75 | 75 | 76 | 75 | 76 | 77 | 77 | 74 | 77 | 74 | 71.8 | 78 | 64 | 14 |
| 3 | 66 | 62 | 63 | 69 | 69 | 75 | 81 | 80 | 84 | 82 | 85 | 80 | 81 | 72 | 69 | 77 | 77 | 70 | 72 | 70 | 76 | 79 | 80 | 78 | 74.9 | 85 | 61 | 24 |
| 4 | 72 | 72 | 74 | 70 | 69 | 77 | 83 | 84 | 81 | 73 | 62 | 69 | 65 | 67 | 67 | 68 | 69 | 67 | 70 | 66 | 68 | 69 | 73 | 77 | 71.3 | 85 | 62 | 23 |
| 5 c | 76 | 73 | 75 | 79 | 82 | 82 | 79 | 75 | 74 | 73 | 72 | 72 | 72 | 73 | 74 | 73 | 74 | 76 | 77 | 76 | 78 | 77 | 77 | 74 | 75.5 | 83 | 71 | 12 |
| 6 c | 70 | 67 | 69 | 75 | 84 | 87 | 87 | 84 | 85 | 85 | 82 | 82 | 76 | 76 | 73 | 87 | 78 | 79 | 80 | 81 | 82 | 84 | 86 | 85 | 80.2 | 89 | 67 | 22 |
| 7 c | 86 | 85 | 88 | 87 | 90 | 93 | 90 | 87 | 86 | 86 | 83 | 83 | 86 | 85 | 88 | 86 | 86 | 84 | 83 | 86 | 86 | 88 | 90 | 93 | 86.9 | 94 | 83 | 11 |
| 8 | 88 | 87 | 90 | 94 | 95 | 96 | 97 | 95 | 93 | 93 | 94 | 95 | 94 | 82 | 82 | 83 | 82 | 81 | 80 | 84 | 82 | 84 | 83 | 80 | 88.1 | 97 | 79 | 18 |
| 9 c | 77 | 75 | 72 | 68 | 67 | 71 | 77 | 78 | 78 | 77 | 75 | 75 | 77 | 77 | 78 | 80 | 80 | 82 | 82 | 82 | 82 | 82 | 86 | 83 | 77.5 | 86 | 66 | 20 |
| 10 | 76 | 72 | 72 | 65 | 62 | 73 | 79 | 86 | 85 | 82 | 83 | 84 | 82 | 86 | 86 | 84 | 87 | 88 | 85 | 85 | 84 | 89 | 92 | 86 | 81.4 | 92 | 62 | 30 |
| 11 | 73 | 50 | 49 | 55 | 67 | 81 | 84 | 82 | 81 | 77 | 71 | 70 | 60 | 55 | 74 | 66 | 66 | 68 | 71 | 72 | 75 | 77 | 77 | 82 | 70.1 | 85 | 47 | 38 |
| 12 | 77 | 70 | 70 | 72 | 72 | 73 | 76 | 80 | 70 | 71 | 65 | 67 | 67 | 67 | 65 | 74 | 76 | 76 | 75 | 79 | 76 | 76 | 79 | 76 | 72.9 | 80 | 63 | 17 |
| 13 | 76 | 77 | 73 | 71 | 71 | 78 | 84 | 77 | 74 | 75 | 75 | 75 | 75 | 65 | 79 | 72 | 64 | 63 | 71 | 66 | 74 | 75 | 76 | 71 | 73.2 | 85 | 60 | 25 |
| 14 | 67 | 67 | 67 | 72 | 81 | 78 | 62 | 61 | 62 | 61 | 63 | 64 | 63 | 73 | 73 | 69 | 75 | 74 | 69 | 71 | 70 | 71 | 71 | 68 | 68.6 | 81 | 58 | 23 |
| 15 | 67 | 67 | 61 | 65 | 69 | 71 | 79 | 82 | 82 | 82 | 81 | 74 | 66 | 59 | 74 | 71 | 74 | 76 | 76 | 76 | 77 | 76 | 77 | 74 | 73.0 | 83 | 58 | 25 |
| 16 c | 69 | 73 | 75 | 76 | 76 | 82 | 86 | 83 | 82 | 82 | 82 | 82 | 84 | 83 | 88 | 82 | 82 | 82 | 82 | 84 | 83 | 84 | 87 | 89 | 81.6 | 89 | 69 | 20 |
| 17 | 87 | 84 | 82 | 80 | 86 | 94 | 99 | 99 | 97 | 91 | 85 | 80 | 78 | 79 | 75 | 75 | 82 | 80 | 81 | 84 | 84 | 89 | 93 | 94 | 85.7 | 99 | 73 | 26 |
| 18 d | 93 | 95 | 94 | 74 | 73 | 69 | 62 | 69 | 68 | 65 | 65 | 58 | 62 | 69 | 67 | 59 | 88 | 74 | 70 | 87 | 82 | 87 | 82 | 77 | 74.5 | 96 | 47 | 49 |
| 19 d | 49 | 58 | 72 | 57 | 56 | 64 | 73 | 73 | 72 | 68 | 58 | 60 | 65 | 67 | 62 | 69 | 63 | 79 | 84 | 62 | 75 | 75 | 81 | 79 | 67.5 | 89 | 47 | 42 |
| 20 d | 74 | 67 | 28 | 37 | 49 | 60 | 56 | 60 | 60 | 57 | 41 | 50 | 56 | 62 | 66 | 64 | 58 | 82 | 82 | 63 | 59 | 60 | 57 | 45 | 58.0 | 91 | 23 | 68 |
| 21 | 50 | 41 | 42 | 36 | 40 | 28 | 48 | 54 | 57 | 49 | 49 | 34 | 45 | 58 | 65 | 71 | 64 | 74 | 60 | 59 | 60 | 65 | 62 | 69 | 53.3 | 75 | 26 | 49 |
| 22 | 43 | 35 | 40 | 35 | 50 | 55 | 35 | 39 | 45 | 34 | 50 | 50 | 60 | 44 | 57 | 55 | 57 | 62 | 63 | 68 | 67 | 62 | 70 | 72 | 52.0 | 73 | 31 | 42 |
| 23 d | 66 | 60 | 56 | 59 | 58 | 39 | 41 | 56 | 57 | 55 | 55 | 54 | 50 | 72 | 60 | 63 | 62 | 67 | 64 | 60 | 58 | 66 | 74 | 57 | 58.7 | 79 | 28 | 51 |
| 24 d | 65 | 49 | 38 | 39 | 44 | 55 | 45 | 50 | 54 | 47 | 46 | 56 | 46 | 61 | 54 | 66 | 62 | 63 | 71 | 64 | 59 | 52 | 55 | 50 | 53.8 | 72 | 30 | 42 |
| 25 | 38 | 35 | 36 | 33 | 45 | 52 | 49 | 37 | 32 | 44 | 40 | 55 | 54 | 66 | 66 | 56 | 61 | 61 | 59 | 61 | 61 | 60 | 56 | 55 | 50.5 | 69 | 29 | 40 |
| 26 | 54 | 51 | 51 | 56 | 66 | 71 | 73 | 65 | 61 | 47 | 51 | 63 | 64 | 66 | 67 | 69 | 75 | 74 | 71 | 74 | 78 | 82 | 86 | 84 | 66.6 | 88 | 47 | 41 |
| 27 | 76 | 73 | 75 | 73 | 85 | 98 | 91 | 78 | 78 | 59 | 68 | 64 | 75 | 48 | 39 | 68 | 63 | 64 | 73 | 72 | 66 | 64 | 68 | 67 | 70.2 | 98 | 37 | 61 |
| 28 | 55 | 55 | 54 | 49 | 50 | 71 | 78 | 80 | 76 | 72 | 68 | 64 | 66 | 71 | 64 | 68 | 69 | 67 | 71 | 73 | 68 | 73 | 73 | 39 | 65.6 | 80 | 39 | 41 |
| 29 | 43 | 43 | 45 | 61 | 54 | 68 | 81 | 84 | 76 | 58 | 59 | 44 | 46 | 54 | 60 | 59 | 62 | 61 | 62 | 68 | 67 | 67 | 66 | 54 | 60.1 | 85 | 43 | 42 |
| 30 | 54 | 53 | 54 | 49 | 68 | 78 | 81 | 75 | 65 | 70 | 71 | 64 | 59 | 61 | 69 | 73 | 66 | 66 | 67 | 68 | 68 | 69 | 68 | 66 | 65.9 | 81 | 46 | 35 |
| 31 | 59 | 54 | 48 | 46 | 51 | 66 | 76 | 77 | 73 | 73 | 59 | 50 | 60 | 68 | 71 | 70 | 69 | 69 | 71 | 77 | 77 | 77 | 79 | 74 | 66.4 | 81 | 42 | 39 |
| mean | 66.8 | 63.8 | 62.6 | 62.2 | 66.4 | 71.7 | 73.4 | 73.2 | 71.7 | 68.5 | 66.6 | 66.1 | 66.8 | 67.9 | 69.4 | 70.8 | 71.4 | 72.5 | 73.0 | 72.9 | 73.1 | 74.2 | 75.9 | 72.4 | 69.7 | — | — | — |
| 〃 c | 75.6 81.4 | 74.6 79.0 | 75.8 | 77.0 | 79.8 | 83.0 | 83.8 | 81.4 | 81.0 | 80.6 | 78.8 | 78.8 | 79.0 | 78.8 | 80.2 | 81.6 | 80.0 | 80.6 | 80.8 | 81.8 | 82.2 | 83.0 | 85.2 | 78.0 84.8 | 80.3 | — | — | — |
| 〃 d | 69 4 55.2 | 65.8 50.0 | 57.6 | 53.2 | 56.0 | 57.4 | 55.4 | 61.6 | 62.2 | 58.4 | 53.0 | 55.6 | 55.8 | 66.2 | 61.8 | 64.2 | 66.6 | 73.0 | 74.2 | 67.2 | 66·6 | 68.0 | 69.8 | 75.8 61.6 | 62.5 | — | — | — |

Table 24 Horizontal Intensity 31900γ+.....γ April 1938.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 73 | 73 | 67 | 61 | 59 | 66 | 73 | 73 | 71 | 67 | 64 | 67 | 66 | 70 | 70 | 68 | 67 | 73 | 73 | 69 | 71 | 72 | 78 | 70 | 69.2 | 78 | 57 | 21 |
| 2 | 64 | 64 | 63 | 66 | 67 | 78 | 83 | 82 | 76 | 73 | 70 | 74 | 73 | 68 | 64 | 66 | 71 | 71 | 73 | 71 | 80 | 79 | 78 | 78 | 72.2 | 83 | 61 | 22 |
| 3 | 69 | 64 | 62 | 64 | 59 | 56 | 69 | 81 | 80 | 70 | 50 | 34 | 61 | 49 | 58 | 64 | 59 | 61 | 60 | 64 | 71 | 72 | 74 | 71 | 63.4 | 83 | 33 | 50 |
| 4 | 67 | 61 | 51 | 59 | 68 | 80 | 88 | 84 | 79 | 80 | 73 | 78 | 81 | 81 | 79 | 78 | 78 | 78 | 81 | 78 | 78 | 82 | 80 | 75 | 75.7 | 90 | 51 | 39 |
| 5 | 57 | 54 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 | — | — | — | 67 | 78 | 90 | 86 | 75 | 65 | 64 | 69 | 69 | 68 | 68 | 72 | 76 | 78 | 81 | 81 | 84 | 81 | 88 | 83 | 81 | — | 92 | 60 | 32 |
| 7 | 76 | 68 | 65 | 72 | 76 | 86 | 95 | 93 | 86 | 84 | 84 | 77 | 78 | 71 | 80 | 66 | 85 | 80 | 81 | 80 | 77 | 81 | 74 | 72 | 78.6 | 97 | 63 | 34 |
| 8 | 70 | 66 | 62 | 69 | 72 | 78 | 84 | 72 | 69 | 73 | 71 | 68 | 73 | 74 | 71 | 74 | 73 | 68 | 76 | 79 | 77 | 83 | 85 | 82 | 73.7 | 85 | 66 | 19 |
| 9 | 76 | 72 | 68 | 75 | 84 | 83 | 84 | 74 | 65 | 56 | 66 | 57 | 58 | 62 | 57 | 60 | 74 | 66 | 69 | 69 | 71 | 76 | 83 | 81 | 70.2 | 86 | 40 | 46 |
| 10 | 76 | 71 | 70 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 11 c | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 12 c | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 13 c | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 14 | 80 | 71 | 72 | 81 | 95 | 99 | 100 | 98 | 97 | 94 | 93 | 90 | 81 | 74 | 66 | 78 | 68 | 80 | 76 | 71 | 85 | 83 | 85 | 80 | 83.2 | 100 | 61 | 39 |
| 15 d | 78 | 71 | 70 | 70 | 74 | 80 | 78 | 84 | 87 | 84 | 82 | 78 | 70 | 68 | 66 | 63 | 75 | 72 | 64 | 64 | 73 | 79 | 88 | 75 | 74.7 | 89 | 57 | 32 |
| 16 d | 62 | 64 | 59 | 56 | 65 | 66 | 84 | 88 | 75 | 70 | 57 | 64 | 66 | 62 | 84 | 75 | 71 | 73 | 68 | 86 | 93 | 81 | 81 | 73 | 71.8 | 93 | 49 | 44 |
| 17 d | 51 | 51 | 53 | 59 | 59 | 65 | 66 | 64 | 73 | 68 | 61 | 48 | 45 | 44 | 44 | 51 | 78 | 85 | 61 | 61 | 62 | 65 | 65 | 65 | 60.2 | 86 | 32 | 54 |
| 18 | 68 | 59 | 51 | 61 | 76 | 54 | 72 | 77 | 58 | 72 | 66 | 67 | 63 | 57 | 59 | 61 | 71 | 69 | 71 | 72 | 72 | 63 | 60 | 54 | 64.7 | 79 | 51 | 28 |
| 19 d | 47 | 34 | 41 | 44 | 56 | 69 | 75 | 49 | 53 | 53 | 50 | 59 | 41 | 78 | 54 | 62 | 67 | 63 | 61 | 60 | 64 | 68 | 65 | 42 | 56.5 | 75 | 34 | 41 |
| 20 | 57 | 60 | 61 | 73 | 81 | 68 | 44 | 54 | 54 | 55 | 53 | 53 | 66 | 60 | 72 | 71 | 61 | 50 | 52 | 59 | 64 | 58 | 62 | 59 | 60.3 | 86 | 37 | 49 |
| 21 | 52 | 48 | 39 | 49 | 61 | 73 | 78 | 73 | 71 | 66 | 65 | 71 | 66 | 65 | 66 | 68 | 71 | 71 | 69 | 81 | 78 | 76 | 74 | 66 | 66.5 | 85 | 39 | 46 |
| 22 | 60 | 54 | 54 | 54 | 56 | 50 | 59 | 56 | 59 | 50 | 38 | 55 | 46 | 70 | 59 | 71 | 68 | 74 | 73 | 74 | 74 | 66 | 76 | 71 | 61.1 | 78 | 35 | 43 |
| 23 | 61 | 59 | 61 | 61 | 66 | 71 | 51 | 59 | 70 | 71 | 71 | 73 | 71 | 73 | 78 | 57 | 61 | 68 | 66 | 64 | 67 | 70 | 69 | 61 | 65.8 | 78 | 45 | 33 |
| 24 | 56 | 61 | 61 | 64 | 71 | 70 | 70 | 76 | 71 | 67 | 68 | 71 | 71 | 73 | 73 | 69 | 80 | 69 | 63 | 70 | 73 | 76 | 73 | 64 | 69.2 | 83 | 55 | 28 |
| 25 | 65 | 61 | 66 | 78 | 83 | 82 | 85 | 85 | 76 | 69 | 71 | 67 | 69 | 78 | 78 | 73 | 72 | 85 | 73 | 72 | 71 | 73 | 72 | 68 | 73.8 | 87 | 58 | 29 |
| 26 | 66 | 64 | 66 | 66 | 72 | 75 | 82 | 82 | 74 | 73 | — | — | — | — | 65 | 78 | 76 | 68 | 73 | — | — | 78 | 78 | 74 | — | 82 | 64 | 18 |
| 27 | 67 | 62 | 63 | 65 | 67 | 78 | 84 | 85 | 78 | 71 | 71 | 73 | 75 | 74 | 73 | 70 | 69 | 70 | 71 | 78 | 81 | 80 | 83 | 78 | 73.6 | 87 | 60 | 27 |
| 28 c | 64 | 64 | 65 | 69 | 75 | 79 | 78 | 76 | 77 | 71 | 71 | 73 | 73 | 77 | 78 | 73 | 74 | 72 | 73 | 75 | 71 | 73 | 71 | 66 | 72.4 | 79 | 61 | 18 |
| 29 c | 62 | 61 | 64 | 71 | 79 | 85 | 87 | 85 | 77 | 73 | 70 | 71 | 71 | 71 | 76 | 76 | 75 | 76 | 77 | 77 | 76 | 76 | 78 | 74 | 74.5 | 88 | 61 | 27 |
| 30 d | 63 | 59 | 64 | 80 | 92 | 97 | 97 | 93 | 88 | 79 | 79 | 78 | 87 | 78 | 87 | 87 | 88 | 114 | 114 | 97 | 88 | 98 | 108 | 84 | 87.5 | 125 | 59 | 66 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 64.7 | 61.2 | 60.1 | 65.3 | 71.4 | 74.5 | 77.6 | 76.6 | 73.5 | 70.3 | 67.1 | 67.2 | 67.5 | 68.5 | 69.2 | 68.8 | 72.0 | 73.4 | 71.5 | 72.6 | 74.6 | 75.3 | 76.6 | 69.9 | 70.4 | — | — | — |
| 〃 c | 63.0<br>62.5 | 62.5<br>60.0 | 64.5 | 70.0 | 77.0 | 82.0 | 82.5 | 80.5 | 77.0 | 72.0 | 70.5 | 72.0 | 72.0 | 74.0 | 77.0 | 74.5 | 74.5 | 74.0 | 75.0 | 76.0 | 73.5 | 74.5 | 74.5 | 72.0<br>70.0 | 73.5 | — | — | — |
| 〃 d | 60.2<br>60.2 | 55.8<br>56.0 | 57.4 | 61.8 | 69.2 | 75.4 | 80.0 | 75.6 | 75.2 | 70.8 | 65.8 | 65.4 | 61.8 | 66.0 | 67.0 | 67.6 | 75.8 | 81.4 | 73.6 | 73.6 | 76.0 | 78.2 | 81.4 | 71.2<br>67.8 | 70.1 | — | — | — |

(592)

Table 25 Horizontal Intensity 31900γ+.....γ May 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 63 | 46 | 49 | 54 | 63 | 64 | 91 | 82 | 78 | 71 | 75 | 67 | 66 | 78 | 20 | 5 | 40 | 4 | 10 | 32 | 28 | 21 | 44 | 29 | 49.2 | 107 | −17 | 124 |
| 2 | 16 | −8 | 19 | 27 | 36 | 43 | 39 | 27 | 27 | 22 | 30 | 29 | 34 | 37 | 40 | 44 | 46 | 50 | 48 | 48 | 49 | 51 | 51 | 45 | 35.4 | 53 | −12 | 65 |
| 3 | 40 | 36 | 37 | 47 | 53 | 51 | 56 | 46 | 56 | 56 | 54 | 53 | 57 | 56 | 59 | 61 | 61 | 57 | 59 | 66 | 66 | 66 | 70 | 60 | 55.1 | 71 | 33 | 38 |
| 4 | 50 | 47 | 46 | 47 | 43 | 52 | 59 | 66 | 55 | 59 | 59 | 60 | 68 | 72 | 68 | 63 | 66 | 62 | 63 | 76 | 73 | 73 | 71 | 67 | 61.0 | 77 | 43 | 34 |
| 5 | 59 | 56 | 61 | 71 | 77 | 71 | 54 | 70 | 71 | 66 | 62 | 62 | 67 | 59 | 71 | 71 | 71 | 72 | 76 | 72 | 68 | 73 | 76 | 76 | 68.0 | — | — | — |
| 6 | 74 | 67 | 55 | (29) | (44) | (54) | 66 | 68 | 68 | 58 | 53 | 48 | 68 | 60 | 78 | 63 | 63 | 63 | 66 | 69 | 70 | 72 | 68 | 58 | 61.7 | 86 | 37 | 49 |
| 7 | 40 | 44 | 69 | 77 | 85 | 88 | 77 | 65 | 60 | 41 | 59 | 62 | 61 | 56 | 60 | 62 | 61 | 61 | 63 | 63 | 66 | 67 | 64 | 63 | 63.1 | 90 | 38 | 52 |
| 8 | 65 | 67 | 71 | 83 | 90 | 93 | 90 | 86 | 77 | 72 | 71 | 70 | 68 | 73 | 73 | 66 | 71 | 73 | 75 | 75 | 73 | 76 | 73 | 68 | 75.0 | 95 | 65 | 30 |
| 9 c | 66 | 68 | 73 | 74 | 81 | 89 | 86 | 83 | 76 | 71 | 71 | 73 | 74 | 73 | 74 | 75 | 73 | 76 | 77 | 76 | 76 | 78 | 78 | 75 | 75.7 | 90 | 66 | 24 |
| 10 c | 71 | 66 | 70 | 76 | 83 | 89 | 88 | 81 | 67 | 61 | 68 | 71 | 77 | 74 | 75 | 73 | 76 | 75 | 75 | 76 | 78 | 78 | 77 | 66 | 74.6 | 90 | 61 | 29 |
| 11 | 58 | 60 | 64 | 71 | 73 | 74 | 79 | 79 | 76 | 71 | 69 | 75 | 78 | 78 | 74 | 77 | 73 | 72 | 78 | 78 | 81 | 80 | 81 | 78 | 74.0 | 82 | 58 | 24 |
| 12 c | 74 | 77 | 77 | 87 | 89 | 93 | 95 | 93 | 87 | 85 | 83 | 85 | 86 | 85 | 83 | 84 | 83 | 88 | 88 | 88 | 87 | 85 | 80 | 75 | 84.9 | 95 | 69 | 26 |
| 13 | 73 | 73 | 78 | 83 | 83 | 79 | 86 | 88 | 80 | 67 | 57 | 47 | 53 | 59 | 68 | 68 | 71 | 75 | 75 | 74 | 73 | 80 | 86 | 78 | 73.1 | 90 | 46 | 44 |
| 14 | 63 | 64 | 73 | 85 | 96 | 106 | 105 | 102 | 89 | 78 | 77 | 76 | 81 | 74 | 76 | 76 | 68 | 64 | 63 | 68 | 62 | 81 | 73 | 63 | 77.6 | 107 | 61 | 46 |
| 15 | 59 | 50 | 48 | 58 | 45 | 37 | 60 | 66 | 68 | 55 | 51 | 50 | 55 | 61 | 66 | 69 | 71 | 73 | 68 | 73 | 75 | 73 | 71 | 63 | 61.0 | 76 | 36 | 40 |
| 16 | 64 | 62 | 69 | 79 | 82 | 79 | 83 | 80 | 73 | 63 | 58 | 58 | 58 | 73 | 68 | 70 | 70 | 68 | 79 | 72 | 73 | 73 | 70 | 65 | 70.4 | 83 | 51 | 32 |
| 17 | 53 | 50 | 56 | 72 | 75 | 79 | 72 | 76 | 68 | 66 | 69 | 66 | 68 | 71 | 71 | 78 | 75 | 73 | 71 | 73 | 68 | 70 | 66 | 66 | 68.8 | 82 | 44 | 38 |
| 18 d | 44 | 58 | 76 | 68 | 74 | 38 | 40 | 34 | 31 | 37 | 39 | 34 | 34 | 42 | 53 | 55 | 55 | 53 | 56 | 61 | 61 | 63 | 63 | 58 | 51.1 | 87 | 22 | 65 |
| 19 | 53 | 48 | 48 | 51 | 60 | 61 | 66 | 66 | 65 | 63 | 66 | 61 | 61 | 57 | 59 | 56 | 59 | 60 | 59 | 61 | 63 | 68 | 58 | 60 | 59.5 | 71 | 46 | 25 |
| 20 | 61 | 63 | 63 | 71 | 72 | 71 | 62 | 63 | 71 | 73 | 72 | 71 | 71 | 68 | 68 | 69 | 70 | 71 | 66 | 67 | 68 | 70 | 68 | 61 | 67.9 | 76 | 52 | 24 |
| 21 | 52 | 53 | 68 | 79 | 86 | 81 | 81 | 73 | 75 | 67 | 71 | 73 | 75 | 75 | 75 | 76 | 71 | 68 | 76 | 75 | 68 | 76 | 69 | 60 | 71.8 | 85 | 51 | 34 |
| 22 | 53 | 48 | 69 | 90 | 101 | 97 | 92 | 86 | 80 | 75 | 75 | 78 | 78 | 77 | 77 | 84 | 78 | 76 | 73 | 73 | 75 | 77 | 74 | 71 | 77.4 | 102 | 48 | 54 |
| 23 | 68 | 66 | 73 | 81 | 90 | 90 | 90 | 87 | 81 | 74 | 73 | 75 | 73 | 77 | 78 | 78 | 76 | 76 | 79 | 80 | 81 | 81 | 72 | 65 | 77.7 | 93 | 56 | 37 |
| 24 c | 58 | 58 | 61 | 67 | 69 | 75 | 70 | 83 | 82 | 78 | 82 | 86 | 83 | 83 | 90 | 92 | 93 | 93 | 96 | 96 | 94 | 93 | 86 | 80 | 81.2 | 97 | 58 | 39 |
| 25 | 80 | 76 | 81 | 90 | 95 | 95 | 98 | 98 | 90 | 83 | 85 | 86 | 83 | 85 | 81 | 83 | 85 | 85 | — | — | — | — | — | — | — | — | — | — |
| 26 c | — | 84 | 83 | 83 | 85 | 88 | 96 | 94 | 88 | 83 | 83 | 85 | 86 | 86 | 85 | 83 | 83 | 81 | 83 | 85 | 88 | 93 | 90 | 85 | — | 97 | 79 | 18 |
| 27 | 74 | 68 | 68 | 79 | 90 | 96 | 100 | 98 | 97 | 98 | 94 | 97 | 95 | 96 | 97 | 105 | 101 | 94 | 95 | 95 | 93 | 98 | 87 | 100 | 92.3 | 106 | 66 | 40 |
| 28 | 68 | 59 | 66 | 78 | 92 | 91 | 90 | 88 | 81 | 78 | 80 | 82 | 82 | 82 | 81 | 79 | 80 | 83 | 83 | 83 | 85 | 88 | 86 | 88 | 81.2 | 93 | 57 | 36 |
| 29 d | 83 | 81 | 81 | 79 | 93 | 97 | 93 | 105 | 103 | 104 | 102 | 100 | 100 | 99 | 87 | 78 | 76 | 67 | 76 | 81 | 87 | 90 | 90 | 88 | 89.2 | 110 | 66 | 44 |
| 30 d | 81 | 61 | 48 | 53 | 56 | 64 | 76 | 70 | 66 | 36 | 36 | 39 | 45 | 45 | 50 | 52 | 63 | 97 | 90 | 81 | 77 | 80 | 78 | 78 | 63.4 | 100 | 32 | 68 |
| 31 d | 71 | 68 | 66 | 64 | 58 | 56 | 53 | 69 | 72 | 70 | 63 | 61 | 66 | 76 | 66 | 63 | 73 | 75 | 73 | 72 | 72 | 76 | 73 | 78 | 68.1 | 78 | 53 | 25 |
| mean | 60.5 | 58.0 | 62.8 | 68.8 | 74.1 | 74.9 | 76.5 | 75.8 | 72.3 | 66.6 | 66.7 | 66.5 | 68.9 | 70.1 | 69.7 | 69.2 | 70.6 | 70.0 | 71.3 | 73.0 | 72.6 | 75.0 | 73.1 | 68.8 | 69.8 | — | — | — |
| 〃 c | 67.2<br>71.2 | 70.6<br>68.6 | 72.8 | 77.4 | 81.4 | 86.8 | 87.0 | 86.8 | 80.0 | 75.6 | 77.4 | 80.0 | 81.2 | 80.2 | 81.4 | 81.4 | 81.6 | 82.6 | 83.8 | 84.2 | 84.6 | 85.4 | 82.2 | 71.5<br>76.2 | 80.3 | — | — | — |
| 〃 d | 68.4<br>59.8 | 62.8<br>48.0 | 64.0 | 63.6 | 68.8 | 63.8 | 70.6 | 72.0 | 70.0 | 63.6 | 63.0 | 60.2 | 62.2 | 68.0 | 55.2 | 50.6 | 61.4 | 59.2 | 61.0 | 65.4 | 65.0 | 66.0 | 69.6 | 80.2<br>66.2 | 64.2 | — | — | — |

Table 26 Horizontal Intensity 31900γ+.....γ June 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 78 | 71 | 76 | 44 | 53 | 68 | 65 | 64 | 69 | 71 | 71 | 69 | 66 | 68 | 72 | 68 | 76 | 73 | 68 | 69 | 65 | 76 | 77 | 73 | 68.7 | 78 | 41 | 37 |
| 2 | 71 | 68 | 66 | 70 | 71 | 76 | 79 | 88 | 87 | 74 | 60 | 64 | 71 | 65 | 76 | 78 | 75 | 76 | 83 | 80 | 79 | 83 | 83 | 83 | 75.2 | 88 | 60 | 28 |
| 3 | 79 | 79 | 78 | 84 | 81 | 78 | 75 | 74 | 58 | 73 | 67 | 71 | 74 | 76 | 79 | 78 | 80 | 81 | 81 | 79 | 81 | 82 | 79 | 76 | 76.8 | 84 | 58 | 26 |
| 4 | 79 | 79 | 83 | 88 | 86 | 88 | 86 | 83 | 86 | 83 | 84 | 80 | 86 | 81 | 84 | 83 | 83 | 83 | 87 | 85 | 85 | 84 | 76 | 71 | 83.0 | 88 | 68 | 20 |
| 5 c | 85 | 84 | 77 | 82 | 89 | 92 | 92 | 92 | 88 | 84 | 85 | 85 | 87 | 86 | 84 | 87 | 85 | 87 | (37) | (87) | (89) | (92) | (93) | (93) | — | — | — | — |
| 6 c | (89) | (89) | 87 | 93 | 95 | 91 | 92 | 90 | 88 | 83 | 82 | 86 | 88 | 88 | 88 | 88 | 88 | 88 | 86 | 85 | 88 | 87 | 88 | 92 | — | 95 | 81 | 14 |
| 7 | 88 | 88 | 90 | 93 | 94 | 92 | 92 | 86 | 78 | 80 | 81 | 85 | 91 | 90 | 88 | 92 | 89 | 88 | 88 | 90 | 90 | 86 | 88 | 85 | 88.0 | 96 | 78 | 18 |
| 8 | 86 | — | — | — | — | — | — | — | 88 | 71 | 71 | 73 | 68 | 81 | 81 | 83 | 80 | 81 | 80 | 79 | 77 | 75 | 71 | 71 | — | — | — | — |
| 9 | (67) | 63 | 68 | 77 | 76 | 71 | 74 | 61 | 65 | 55 | 63 | 67 | 65 | 66 | 65 | 68 | 68 | 65 | 70 | 68 | 68 | 70 | 63 | 60 | 66.8 | 81 | 50 | 31 |
| 10 | 63 | 63 | 69 | 81 | 86 | 89 | 85 | 85 | 83 | 80 | 82 | 79 | 83 | 83 | 85 | 87 | 85 | 86 | 83 | 83 | 78 | 83 | 76 | 73 | 80.4 | 92 | 58 | 34 |
| 11 | 68 | 75 | 79 | 85 | 94 | 97 | 92 | 93 | 86 | 78 | 81 | 82 | 78 | 81 | 81 | 81 | 83 | 79 | 81 | 82 | 83 | 83 | 81 | 73 | 82.3 | 97 | 66 | 31 |
| 12 | 66 | 59 | 73 | 86 | 85 | 91 | 93 | 95 | 90 | 85 | 79 | 93 | 84 | 85 | 85 | 85 | 83 | 84 | 84 | 83 | 86 | 88 | 82 | 82 | 83.6 | 95 | 59 | 36 |
| 13 d | 81 | 79 | 71 | 39 | 41 | 65 | 88 | 79 | 58 | 64 | 74 | 77 | 76 | 77 | 81 | 79 | 78 | 76 | 74 | 71 | 73 | 86 | 81 | 83 | 73.0 | 92 | 39 | 53 |
| 14 d | 71 | 61 | 72 | 84 | 86 | 86 | 78 | 71 | 71 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 15 | — | — | 66 | 61 | 73 | 83 | 85 | 87 | 78 | 69 | 63 | 68 | 83 | 73 | 76 | 75 | 76 | 77 | 80 | 82 | 79 | 86 | 83 | 80 | — | 88 | 58 | 30 |
| 16 c | 74 | 71 | 71 | 83 | 81 | 82 | 86 | 87 | 85 | 82 | 81 | 85 | 83 | 84 | 83 | 83 | 84 | 84 | 85 | 81 | 81 | 85 | 83 | 76 | 81.7 | 87 | 69 | 18 |
| 17 | 73 | 71 | 51 | 86 | 94 | 100 | 93 | 76 | 76 | 76 | 73 | 76 | 77 | 78 | 71 | 76 | 79 | 76 | 76 | 79 | 78 | 81 | 78 | 73 | 77.6 | — | — | — |
| 18 c | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 21 | — | — | 78 | 86 | 90 | 92 | 83 | 69 | 69 | 68 | 66 | 68 | 63 | 68 | 69 | 78 | 83 | 86 | 86 | 76 | 71 | 83 | 86 | 78 | — | 93 | 62 | 31 |
| 22 | 78 | 73 | 73 | 71 | 71 | 76 | 78 | 71 | 86 | 83 | 83 | 83 | 88 | 84 | 84 | 92 | 94 | 91 | 86 | 86 | 88 | 88 | 86 | 77 | — | 95 | 73 | 22 |
| 23 | 73 | — | 79 | 83 | 80 | 83 | 92 | 89 | 86 | 84 | 85 | 88 | 88 | 92 | 92 | 90 | 88 | 83 | 92 | — | — | — | — | — | — | — | — | — |
| 24 c | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 25 | — | — | — | 111 | 110 | 102 | 99 | 93 | 83 | 96 | 98 | 105 | 114 | 121 | 112 | 110 | 103 | 100 | 101 | 102 | 103 | 100 | 93 | 93 | — | 121 | 78 | 43 |
| 26 | 98 | 98 | 102 | 111 | 109 | 102 | 99 | 97 | 88 | 85 | 77 | 81 | 86 | 83 | 81 | 83 | 82 | 83 | 86 | 83 | 89 | 66 | 91 | 85 | 89.4 | 111 | 77 | 34 |
| 27 | 80 | 68 | 93 | 98 | 103 | 106 | 106 | 106 | 85 | 83 | 74 | 78 | 76 | 72 | 75 | 71 | 71 | 75 | 80 | 76 | 73 | 68 | 55 | 62 | 80.6 | 106 | 53 | 53 |
| 28 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 29 | — | — | 86 | 87 | 85 | 78 | 78 | 74 | 68 | 66 | 66 | 73 | 71 | 75 | 76 | 72 | 83 | 83 | 80 | 81 | 80 | 84 | 76 | 77 | — | 90 | 58 | 32 |
| 30 | 77 | 76 | 79 | 84 | 75 | 76 | 86 | 84 | 82 | 72 | 69 | 71 | 75 | 76 | 78 | 79 | 80 | 82 | 80 | 81 | 84 | 84 | 83 | 83 | 79.0 | 85 | 69 | 16 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 77.4 | 75.2 | 77.0 | 80.8 | 82.4 | 85.6 | 86.7 | 83.9 | 79.9 | 77.3 | 75.9 | 78.4 | 79.7 | 79.1 | 80.0 | 81.0 | 81.3 | 80.9 | 81.4 | 80.4 | 81.0 | 81.8 | 79.9 | 77.8 | 80.2 | — | — | — |
| 〃 c | 82.7 83.3 | 81.3 82.7 | 78.3 | 86.0 | 88.3 | 88.3 | 90.0 | 89.7 | 87.0 | 83.0 | 82.7 | 85.3 | 86.0 | 86.0 | 85.0 | 86.0 | 85.7 | 86.3 | 86.0 | 84.3 | 86.0 | 88.0 | 880 | 81.3 87.0 | 85.7 | — | — | — |
| 〃 d | 79.5 71.0 | 75.0 64.5 | 73.5 | 41.5 | 47.0 | 66.5 | 76.5 | 71.5 | 63.5 | 67.5 | 72.5 | 73.0 | 71.0 | 72.5 | 76.5 | 73.5 | 77.0 | 74.5 | 71.0 | 70.0 | 69.0 | 81.0 | 79.0 | 80.0 78.0 | 70.9 | — | — | — |

Table 27 Horizontal Intensity 31900γ+.....γ July 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 76 | 69 | 76 | 77 | 77 | 78 | 78 | 78 | 77 | 82 | 83 | 82 | 83 | 83 | 90 | 87 | 86 | 85 | 87 | 83 | 83 | 88 | 86 | 85 | 81.6 | 89 | 74 | 15 |
| 2 | 77 | 87 | 90 | 93 | 87 | 90 | 80 | 80 | 87 | 86 | 84 | 82 | 84 | 83 | 82 | (82) | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 | — | 71 | 88 | 98 | 98 | 110 | 107 | 97 | 97 | 97 | 92 | 91 | 86 | 88 | 96 | 95 | 93 | 93 | 93 | 84 | 83 | 85 | 85 | 88 | — | 110 | 71 | 39 |
| 4 | 93 | 98 | 99 | 91 | 85 | 90 | 95 | 98 | 97 | 95 | 98 | 99 | 91 | 92 | 83 | 87 | 89 | 88 | 88 | 84 | 84 | 86 | 81 | 78 | 90.4 | 101 | 78 | 23 |
| 5 | 78 | 76 | 69 | 75 | 76 | 81 | 83 | 84 | 86 | 88 | 89 | 90 | 88 | 90 | 88 | 81 | 90 | 90 | 90 | 92 | 93 | 97 | 93 | 90 | 85.7 | 98 | 69 | 29 |
| 6 | 83 | 88 | 95 | 95 | 94 | 95 | 101 | 103 | 93 | 93 | 88 | 81 | 92 | 88 | 88 | 86 | 84 | 85 | 85 | 88 | 85 | 83 | 85 | 79 | 89.0 | 105 | 74 | 31 |
| 7 | 74 | 78 | 78 | 83 | 83 | 89 | 96 | 98 | 97 | 88 | 83 | 92 | 91 | 92 | 89 | 88 | 91 | 88 | 95 | 92 | 91 | 92 | 92 | 92 | 88.8 | 98 | 74 | 24 |
| 8 | 93 | 86 | 90 | 115 | 117 | 115 | 107 | 99 | 92 | 86 | 85 | 89 | 93 | 96 | 97 | 93 | 99 | 103 | 94 | 96 | 98 | 125 | 133 | 115 | 100.7 | 135 | 79 | 56 |
| 9 d | 79 | 68 | 68 | 79 | 92 | 91 | 87 | 69 | 55 | 52 | 60 | 73 | 63 | 71 | 71 | 70 | 70 | 71 | 76 | 82 | 79 | 71 | 78 | 68 | 72.6 | 95 | 45 | 50 |
| 10 | 64 | 68 | 78 | 85 | 88 | 71 | 78 | 84 | 87 | 78 | 66 | 74 | 79 | 80 | 81 | 80 | 83 | 83 | 85 | 78 | 83 | 78 | 68 | 68 | 77.8 | 90 | 64 | 26 |
| 11 | 71 | 61 | 53 | 78 | 86 | 88 | 86 | 86 | 83 | 76 | 80 | 82 | 84 | 88 | 91 | 92 | 81 | 81 | 76 | 74 | 76 | 78 | 78 | 73 | 79.2 | 94 | 51 | 43 |
| 12 | 68 | 71 | 73 | 73 | 78 | 83 | 79 | 81 | 82 | 76 | 76 | 78 | 79 | 82 | 81 | 81 | 77 | 78 | 78 | 76 | 78 | 79 | 76 | 71 | 77.2 | 86 | 63 | 23 |
| 13 c | 65 | 68 | 66 | 68 | 69 | 74 | 81 | 86 | 86 | 81 | 80 | 80 | 83 | 87 | 88 | 88 | 85 | 83 | 78 | 83 | 85 | 87 | 85 | 78 | 79.7 | 88 | 63 | 25 |
| 14 c | 71 | 61 | 65 | 71 | 85 | 88 | 88 | 83 | 84 | 83 | 79 | 83 | 85 | 86 | 87 | 85 | 85 | 85 | 85 | 85 | 85 | 87 | 84 | 80 | 81.7 | 88 | 61 | 28 |
| 15 c | 78 | 80 | 84 | 86 | 88 | 88 | 95 | 93 | 90 | 85 | 83 | 83 | 86 | 87 | 86 | 86 | 85 | 86 | 89 | 88 | 88 | 91 | 90 | 85 | 86.7 | 95 | 77 | 18 |
| 16 | 82 | 84 | 95 | 105 | 108 | 104 | 103 | 104 | 102 | 94 | 86 | 90 | 91 | 88 | 92 | 93 | 95 | 97 | 95 | 91 | 93 | 85 | 85 | 85 | 93.6 | 109 | 79 | 30 |
| 17 d | 84 | 83 | 83 | 97 | 111 | 113 | 107 | 101 | 98 | 98 | 105 | 93 | 90 | 73 | 63 | 73 | 83 | 83 | 85 | 90 | 93 | 97 | 90 | 85 | 90.7 | 115 | 63 | 52 |
| 18 | 88 | 73 | 80 | 101 | 99 | 95 | 88 | 88 | 87 | 72 | 71 | 73 | 72 | 70 | 76 | 81 | 81 | 78 | 78 | 80 | 83 | 81 | 74 | 73 | 80.9 | 112 | 65 | 47 |
| 19 | 73 | 68 | 62 | 63 | 68 | 70 | 75 | 73 | 74 | 76 | 78 | 73 | 79 | 80 | 82 | 78 | 80 | 80 | 77 | 77 | 76 | 76 | 71 | 72 | 74.2 | 82 | 59 | 23 |
| 20 | 73 | 76 | 87 | 88 | 83 | 81 | 85 | 88 | 82 | 71 | 67 | 77 | 78 | 78 | 77 | 75 | 74 | 75 | 73 | 75 | 76 | 78 | 72 | 66 | 77.3 | 90 | 58 | 32 |
| 21 c | 62 | 56 | 62 | 62 | 71 | 78 | 78 | 79 | 76 | 76 | 73 | 76 | 79 | 80 | 81 | 81 | 81 | 80 | 78 | 77 | 76 | 77 | 85 | 83 | 75.3 | 88 | 56 | 32 |
| 22 | 80 | 83 | 85 | 82 | 83 | 86 | 84 | 83 | 83 | 82 | 83 | 80 | 84 | 80 | 78 | 81 | 85 | 85 | 85 | 88 | 89 | 85 | 73 | 70 | 82.4 | 92 | 68 | 24 |
| 23 d | 70 | 70 | 76 | 89 | 93 | 95 | 90 | 93 | 95 | 88 | 93 | 81 | 62 | 62 | 69 | 65 | 68 | 81 | 73 | 73 | 83 | 92 | 91 | 81 | 80.5 | 98 | 46 | 52 |
| 24 d | 68 | 76 | 80 | 71 | 35 | 59 | 74 | 64 | 26 | 41 | 57 | 55 | 45 | 58 | 57 | 61 | 95 | 69 | 70 | 71 | 71 | 68 | 63 | 62 | 62.3 | 97 | 21 | 76 |
| 25 | 66 | 64 | 62 | 63 | 63 | 66 | 64 | 67 | 74 | 76 | 77 | 68 | 63 | 76 | 69 | 69 | 72 | 71 | 71 | 72 | 73 | 76 | 76 | 75 | 69.7 | 78 | 60 | 18 |
| 26 | 73 | 73 | 79 | 81 | 78 | 78 | 83 | 85 | 81 | 78 | 76 | 80 | 81 | 84 | 84 | 80 | 75 | 76 | 81 | 83 | 78 | 82 | 73 | 65 | 78.6 | 88 | 55 | 33 |
| 27 d | 54 | 73 | 78 | 93 | 93 | 81 | 82 | 88 | 90 | — | — | — | — | — | — | — | 71 | 74 | 78 | 78 | 78 | 81 | 68 | 45 | — | — | — | — |
| 28 | 59 | 67 | 76 | 86 | 90 | 89 | 82 | 75 | 70 | 65 | 65 | 71 | 74 | 73 | 73 | 74 | 77 | 76 | 75 | 75 | 78 | 78 | 73 | 67 | 74.5 | 91 | 58 | 33 |
| 29 | 58 | 60 | 56 | 78 | 87 | 88 | 90 | 85 | 82 | 81 | 79 | 79 | 74 | 73 | 65 | 75 | 75 | 75 | 75 | 77 | 79 | 83 | 81 | 73 | 76.2 | 93 | 57 | 36 |
| 30 c | 61 | 56 | 56 | 66 | 68 | 75 | 79 | 81 | 81 | 78 | 77 | 72 | 71 | 73 | 75 | 78 | 78 | 78 | 79 | 82 | 80 | 81 | 81 | 78 | 74.5 | 84 | 55 | 29 |
| 31 | 71 | 66 | 62 | 69 | 72 | 83 | 85 | 85 | 83 | 78 | 78 | 84 | 84 | 86 | 85 | 83 | 79 | 80 | 76 | 88 | 85 | 83 | 83 | 82 | 79.6 | 88 | 60 | 28 |
| mean | 73.6 | 72.4 | 75.3 | 81.9 | 83.6 | 86.2 | 87.2 | 85.9 | 82.7 | 79.8 | 79.5 | 80.3 | 79.6 | 81.0 | 80.7 | 80.9 | 82.5 | 82.2 | 81.7 | 82.3 | 82.9 | 84.5 | 82.2 | 78.2 | 81.1 | — | — | — |
| 〃 c | 67.4<br>76.4 | 64.2<br>74.8 | 66.6 | 70.6 | 76.2 | 80.6 | 84.2 | 84.4 | 83.4 | 80.6 | 78.4 | 78.8 | 80.8 | 83.6 | 83.4 | 83.6 | 82.8 | 82.4 | 81.8 | 83.0 | 82.8 | 84.6 | 85.0 | 73.6<br>80.8 | 79.6 | — | — | — |
| 〃 d | 75.2<br>71.6 | 74.2<br>70.2 | 76.7 | 84.0 | 82.7 | 89.5 | 89.5 | 81.7 | 68.5 | 69.7 | 78.7 | 75.5 | 65.0 | 66.0 | 65.0 | 67.2 | 79.0 | 76.0 | 76.0 | 79.0 | 81.4 | 82.0 | 80.5 | 87.7<br>74.0 | 75.3 | — | — | — |

Table 28

## Horizontal Intensity 31900γ+.....γ

August 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 c | 81 | 76 | 76 | 78 | 79 | 84 | 92 | 96 | 98 | 95 | 90 | 91 | 92 | 93 | 95 | 93 | 93 | 93 | 90 | 89 | 87 | 85 | 82 | 78 | 87.7 | 94 | 68 | 26 |
| 2 | 77 | 80 | 86 | 98 | 97 | 101 | 103 | 99 | 98 | 98 | 95 | 90 | 86 | 85 | 87 | 84 | 83 | 84 | 88 | 83 | 83 | 82 | 88 | 82 | 89.0 | 99 | 73 | 26 |
| 3 | 85 | 91 | 88 | 91 | 89 | 85 | 88 | 96 | 98 | 95 | 93 | 91 | 90 | 92 | 92 | 91 | 90 | 88 | 90 | 88 | 85 | 83 | 78 | 81 | 89.1 | 94 | 72 | 22 |
| 4 | 85 | 88 | 90 | 101 | 98 | 97 | 97 | 97 | 93 | 91 | 90 | 90 | 88 | 95 | 95 | 95 | 93 | 90 | 90 | 90 | 90 | 91 | 86 | 84 | 91.8 | 97 | 79 | 18 |
| 5 d | 87 | 90 | 95 | 99 | 97 | 92 | 90 | 74 | 71 | 58 | 63 | 83 | 75 | 55 | 24 | 38 | 63 | 66 | 36 | 45 | 24 | 36 | 31 | 48 | 64.2 | 96 | 15 | 81 |
| 6 d | 50 | 43 | 43 | −3 | 33 | 37 | 31 | 43 | 44 | 43 | 46 | 43 | 40 | 61 | 53 | 50 | 48 | 48 | 56 | 58 | 56 | 58 | 53 | 48 | 45.1 | 60 | −8 | 68 |
| 7 | 44 | 39 | 31 | 31 | 39 | 51 | 59 | 66 | 63 | 56 | 53 | 53 | 56 | 58 | 58 | 57 | 57 | 58 | 58 | 58 | 59 | 58 | 58 | 58 | 53.2 | 67 | 23 | 44 |
| 8 | 51 | 54 | 58 | 71 | 68 | 77 | 80 | 77 | 72 | 69 | 66 | 65 | 67 | 70 | 67 | 66 | 69 | 71 | 68 | 68 | 66 | 66 | 53 | 43 | 65.9 | 77 | 37 | 40 |
| 9 c | (45) | 48 | 66 | 78 | 83 | 81 | (76) | 71 | 68 | 67 | 67 | 64 | 63 | 64 | 66 | 66 | 68 | 66 | 66 | 67 | 68 | 70 | 67 | 61 | 66.9 | — | — | — |
| 10 c | 44 | 42 | 41 | 57 | (63) | (69) | (73) | (77) | 78 | 73 | 76 | 76 | 76 | 76 | 76 | 74 | 76 | 76 | 71 | 73 | 78 | 76 | 76 | 68 | 69.4 | — | — | — |
| 11 c | 67 | 72 | 80 | 88 | 88 | 88 | 86 | 82 | 78 | 75 | 73 | 75 | 76 | 77 | 76 | 76 | 78 | 77 | 76 | 76 | 75 | 73 | 73 | 71 | 77.3 | 86 | 61 | 25 |
| 12 | 67 | 70 | 84 | 84 | 93 | 91 | 89 | 88 | 87 | 85 | 85 | 81 | 83 | 81 | 83 | 83 | 85 | 85 | 83 | 86 | 88 | 85 | 78 | 70 | 83.1 | 89 | 59 | 30 |
| 13 d | 65 | 67 | 71 | 83 | 92 | 99 | 106 | 108 | 98 | 90 | 68 | 41 | 41 | 58 | 64 | 81 | 81 | 65 | 68 | 74 | 83 | 79 | 72 | 66 | 75.8 | 106 | 33 | 73 |
| 14 | 71 | 65 | 63 | 53 | 63 | 68 | 69 | 53 | 60 | 62 | 68 | 68 | 73 | 68 | 73 | 63 | 62 | 68 | 67 | 68 | 68 | 68 | 66 | 61 | 65.3 | 69 | 49 | 20 |
| 15 | 56 | 63 | 61 | 63 | 60 | 61 | 63 | 64 | 63 | 60 | 58 | 58 | 52 | 54 | 65 | 66 | 73 | 71 | 68 | 76 | 74 | 71 | 68 | 65 | 63.9 | 77 | 46 | 31 |
| 16 | 62 | 65 | 59 | 63 | 79 | 86 | 86 | 81 | 75 | 64 | 74 | 76 | 76 | 76 | 76 | 76 | 73 | 72 | 72 | 73 | 73 | 70 | 60 | 58 | 71.9 | 82 | 52 | 30 |
| 17 | 56 | 63 | 70 | 70 | 73 | 77 | 84 | 66 | 44 | 50 | 67 | 70 | 69 | 63 | 54 | 51 | 57 | 60 | 64 | 64 | 65 | 66 | 59 | 58 | 63.3 | 80 | 29 | 51 |
| 18 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19 | 49 | 56 | 61 | 52 | 50 | 49 | 46 | 34 | 46 | 49 | 53 | 56 | 80 | 63 | 71 | 69 | 70 | 68 | 68 | 68 | 71 | 73 | 65 | 53 | 59.2 | 79 | 29 | 50 |
| 20 | 56 | 62 | 61 | 62 | 61 | 68 | 67 | 80 | 76 | 74 | 66 | 73 | 64 | 74 | 73 | 74 | — | — | — | — | 81 | 80 | 62 | 63 | — | — | — | — |
| 21 d | 56 | 53 | 53 | 62 | 62 | 68 | 62 | 68 | 62 | 54 | 44 | 48 | 48 | 71 | 59 | 53 | 58 | 64 | 60 | 61 | 64 | 66 | 59 | 52 | 58.6 | 79 | 31 | 48 |
| 22 | 53 | 63 | 73 | 76 | 75 | 74 | 77 | 58 | 59 | 60 | 59 | 64 | 65 | 67 | 66 | 65 | 67 | 68 | 71 | 73 | 76 | 74 | 73 | 69 | 67.7 | 74 | 49 | 25 |
| 23 | 60 | — | — | — | — | — | — | — | 76 | 64 | 68 | 77 | 69 | 70 | 60 | 66 | 71 | 73 | 69 | 77 | 76 | 71 | 61 | 65 | — | — | — | — |
| 24 | 61 | 69 | 68 | 68 | 73 | 85 | 85 | 84 | 71 | 39 | 63 | 61 | 63 | 65 | 68 | 64 | 64 | 76 | 72 | 68 | 73 | 61 | 61 | 44 | 66.9 | 81 | 28 | 53 |
| 25 | 32 | 35 | 41 | 48 | 52 | 51 | 62 | 58 | 58 | 58 | 53 | 51 | 59 | 64 | 61 | 62 | 63 | 66 | 68 | 73 | 71 | 75 | 71 | 52 | 57.7 | 72 | 27 | 45 |
| 26 | 42 | 40 | 49 | 67 | 78 | 95 | 95 | 89 | 72 | 70 | 75 | 70 | 65 | 73 | 74 | 76 | 77 | 78 | 81 | 82 | 78 | 76 | 71 | 68 | 72.5 | 94 | 36 | 58 |
| 27 | 61 | 58 | 64 | 70 | 68 | 71 | 74 | 80 | 76 | 67 | 76 | 81 | 82 | 83 | 78 | 75 | 75 | 76 | 77 | 78 | 74 | 76 | 75 | 71 | 73.6 | 79 | 54 | 25 |
| 28 | 68 | 66 | 69 | 68 | 75 | 83 | 83 | 86 | 87 | 83 | 79 | 78 | 78 | 77 | 78 | 79 | 80 | 79 | 79 | 81 | 77 | 76 | 73 | 64 | 76.9 | 84 | 57 | 27 |
| 29 | 61 | 61 | 68 | 71 | 77 | 79 | 75 | 74 | 76 | 78 | 80 | 79 | 74 | 74 | 75 | 76 | 76 | 76 | 76 | 78 | 80 | 80 | 77 | 76 | 74.9 | 77 | 57 | 20 |
| 30 | 74 | 76 | 81 | 78 | 81 | 86 | 86 | 83 | 83 | 83 | 85 | 84 | 85 | 88 | 93 | 88 | 86 | 83 | 79 | 86 | 85 | 86 | 81 | 81 | 83.4 | 89 | 67 | 22 |
| 31 c | 71 | 73 | 77 | 79 | 85 | 93 | 96 | 98 | 94 | 89 | 85 | 83 | 84 | 84 | 83 | 84 | 85 | 88 | 88 | 86 | 85 | 86 | 81 | 78 | 84.8 | 94 | 67 | 27 |
| mean | 61.5 | 63.1 | 66.6 | 69.5 | 73.9 | 77.7 | 79.0 | 76.8 | 73.9 | 70.1 | 70.9 | 70.3 | 70.9 | 72.6 | 71.8 | 71.5 | 73.2 | 73.5 | 72.5 | 74.0 | 73.4 | 73.1 | 69.1 | 64.5 | 71.4 | — | — | — |
| 〃 c | 61.6<br>63.7 | 62.2<br>66.0 | 68.0 | 76.0 | 79.6 | 83.0 | 84.6 | 84.8 | 83.2 | 79.8 | 78.2 | 77.8 | 78.2 | 78.8 | 79.2 | 78.6 | 80.0 | 80.0 | 78.2 | 78.2 | 78.6 | 78.0 | 75.8 | 67.0<br>71.2 | 77.2 | — | — | — |
| 〃 d | 64.5<br>54.5 | 63.2<br>52.5 | 65.5 | 60.2 | 71.0 | 74.0 | 72.2 | 73.2 | 68.7 | 61.2 | 55.2 | 53.7 | 51.0 | 61.2 | 50.0 | 55.5 | 62.5 | 60.7 | 55.0 | 59.5 | 56.7 | 59.7 | 53.7 | 66.2<br>52.5 | 60.9 | — | — | — |

Table 29. Vertical Intensity 33900γ+.....γ August 1932.

| G.M.T | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 70 | 62 | 56 | 68 | 79 | 81 | 83 | 87 | 87 | 82 | 84 | 86 | 85 | 84 | 84 | 86 | 87 | 84 | 86 | 86 | 85 | 89 | 83 | 75 | 80.8 | 90 | 56 | 34 |
| 2 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5 | — | — | — | — | 90 | 94 | 89 | 92 | 95 | 100 | 98 | 101 | 96 | 96 | 97 | 96 | 96 | 97 | 96 | 92 | 76 | — | — | — | — | 101 | 70 | 31 |
| 6 | 70 | 67 | 76 | 83 | 87 | 94 | 97 | 96 | 94 | 92 | 93 | 95 | 97 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 97 | 99 | 94 | 91 | 91.2 | 99 | 67 | 32 |
| 7 | 91 | 88 | 87 | 83 | 84 | 87 | 86 | 89 | 92 | 91 | 92 | 94 | 94 | 94 | 92 | 94 | 95 | 95 | 95 | 94 | 96 | 99 | 97 | 89 | 91.5 | 100 | 82 | 18 |
| 8 | 85 | 79 | 69 | 71 | 73 | 72 | 79 | 84 | 88 | 91 | 92 | 92 | 93 | 94 | 94 | 94 | 94 | 96 | 97 | 96 | 95 | 99 | 96 | 89 | 88.0 | 99 | 68 | 31 |
| 9 | 85 | 84 | 84 | 89 | 91 | 88 | 92 | 94 | 98 | 96 | 99 | 101 | 101 | 107 | 105 | 103 | 102 | 102 | 103 | 103 | 104 | 107 | 105 | 96 | 97.5 | 107 | 84 | 23 |
| 10 c | 86 | 83 | 84 | 86 | 87 | 88 | 94 | 99 | 101 | (99) | 99 | 101 | 101 | 100 | 100 | 101 | 102 | 102 | 102 | 103 | 102 | 105 | (102) | 97 | 96.8 | 105 | 82 | 23 |
| 11 | 88 | 75 | 74 | 83 | 88 | 93 | 95 | 96 | 97 | 94 | 94 | 96 | 97 | 96 | 97 | 96 | 98 | 99 | 99 | 100 | 97 | 103 | 96 | 87 | 93.2 | 104 | 73 | 31 |
| 12 | (75) | 78 | 83 | 82 | 84 | 91 | 94 | 93 | 95 | 96 | 96 | 99 | 100 | 99 | 98 | 97 | 96 | 96 | 97 | 97 | 98 | 99 | 98 | (91) | 93.0 | 101 | 72 | 29 |
| 13 | 84 | 77 | 76 | 81 | 89 | 96 | 100 | 99 | 95 | 95 | 96 | 97 | 98 | 96 | 97 | 96 | 95 | 97 | 98 | 98 | 96 | 98 | 94 | 86 | 93.1 | 101 | 74 | 27 |
| 14 | 80 | 71 | 68 | 75 | 77 | 83 | 86 | 86 | 90 | 92 | 92 | 93 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 95 | 95 | 96 | 95 | 92 | 89.0 | 96 | 68 | 28 |
| 15 | 85 | 78 | 77 | 81 | 83 | 86 | 89 | 92 | 92 | 91 | 91 | 92 | 93 | 94 | 94 | 94 | 95 | 96 | 97 | 95 | 96 | 97 | 94 | 87 | 90.3 | 98 | 74 | 24 |
| 16 c | 78 | 69 | 70 | 72 | 80 | 88 | 93 | 93 | 93 | 88 | 87 | 89 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 92 | 93 | 96 | 92 | 84 | 87.3 | 97 | 69 | 28 |
| 17 c | 75 | 71 | 74 | 75 | 81 | 84 | 91 | 90 | 86 | 85 | 85 | 87 | 88 | 89 | 89 | 89 | 91 | 90 | 89 | 87 | 88 | 89 | 85 | 80 | 84.9 | 92 | 71 | 21 |
| 18 c | 75 | 69 | 64 | 63 | 68 | 72 | 79 | 82 | 85 | 84 | 83 | 85 | 88 | 88 | 88 | 88 | 88 | 88 | 89 | 88 | 89 | 91 | 88 | 79 | 81.7 | 92 | 62 | 30 |
| 19 c | 64 | 59 | 63 | 71 | 78 | 81 | 86 | 91 | 91 | 87 | 85 | 86 | 87 | 87 | 87 | 87 | 87 | 88 | 88 | 89 | 89 | 91 | 89 | 81 | 83.0 | 91 | 58 | 33 |
| 20 | 73 | 61 | 59 | 63 | 66 | 74 | 81 | 86 | 88 | 85 | 84 | 85 | 87 | 89 | 89 | 88 | 89 | 89 | 90 | 89 | 88 | 90 | 87 | 81 | 81.7 | 90 | 58 | 32 |
| 21 | 63 | (59) | 59 | 53 | 59 | 68 | 73 | 77 | 85 | 86 | 86 | 86 | 87 | 88 | 88 | 89 | 91 | 89 | 91 | 94 | 92 | 93 | 90 | 82 | 80.3 | 95 | 53 | 42 |
| 22 | 73 | 64 | 61 | 62 | 66 | 75 | 79 | 84 | 84 | 83 | 84 | 84 | 87 | 87 | 87 | 86 | 87 | 88 | 89 | 87 | 88 | 89 | 87 | 80 | 80.8 | 90 | 61 | 29 |
| 23 | 75 | 68 | 66 | 69 | 70 | 68 | 72 | 82 | 87 | 86 | 84 | 84 | 85 | 87 | 88 | 89 | 86 | 87 | 88 | 89 | 89 | 90 | 89 | 85 | 81.8 | 90 | 66 | 24 |
| 24 | 77 | 68 | 71 | 69 | 71 | 77 | — | 80 | — | — | — | — | — | 87 | 85 | 85 | 86 | 86 | — | 88 | 77 | 91 | 88 | 87 | — | — | — | — |
| 25 | 73 | 66 | 67 | 72 | 78 | 77 | 85 | 87 | 84 | 85 | 84 | 85 | 86 | 86 | 85 | 87 | 89 | 89 | 88 | 88 | 88 | 89 | 86 | 79 | 82.6 | 90 | 65 | 25 |
| 26 | 68 | 69 | 71 | 77 | 81 | 84 | 83 | 84 | 83 | 83 | 85 | 87 | 87 | 88 | 87 | 87 | 88 | 89 | 90 | 91 | 91 | 93 | 93 | 91 | 84.6 | 95 | 67 | 28 |
| 27 d | 87 | 82 | 77 | 79 | 77 | 82 | 86 | 86 | 82 | 80 | 86 | 93 | 96 | 98 | 99 | 98 | 98 | 98 | 102 | 101 | 101 | 102 | 94 | 82 | 90.2 | 103 | 77 | 26 |
| 28 d | 77 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 29 d | 74 | 74 | 76 | 80 | 83 | 85 | 90 | 89 | 90 | 86 | 88 | 89 | 92 | 97 | 95 | 92 | 94 | 94 | 96 | 93 | 93 | 93 | 86 | 81 | 87.9 | 98 | 73 | 25 |
| 30 | 74 | 69 | 71 | 78 | 91 | 91 | 87 | 89 | 87 | 91 | 89 | 92 | 94 | 90 | 88 | 90 | 95 | 94 | 89 | 92 | 92 | 92 | 88 | 83 | 87.3 | 95 | 69 | 26 |
| 31 | 77 | 73 | 77 | 78 | (83) | (91) | 94 | 93 | 92 | 88 | 88 | 90 | 90 | 90 | 89 | 88 | 91 | 92 | 91 | 90 | 90 | 90 | 90 | 88 | 87.4 | 94 | 73 | 21 |
| mean | 77.2 | 71.8 | 71.6 | 75.0 | 79.4 | 83.2 | 87.0 | 89.1 | 89.8 | 88.6 | 89.0 | 90.7 | 92.0 | 92.4 | 92.1 | 92.1 | 92.8 | 93.0 | 93.4 | 93.2 | 93.2 | 95.1 | 91.9 | 85.2 | 87.5 | — | — | — |
| 〃 c | 75.6<br>75.0 | 70.2<br>67.0 | 71.0 | 73.4 | 78.8 | 82.6 | 88.6 | 91.0 | 91.2 | 88.6 | 87.8 | 89.6 | 91.0 | 91.0 | 91.0 | 91.2 | 91.8 | 91.8 | 91.8 | 91.8 | 92.2 | 94.4 | 91.2 | 85.2<br>84.2 | 79.1 | — | — | — |
| 〃 d | 80.5<br>75.5 | 78.0<br>69.0 | 76.5 | 79.5 | 80.0 | 83.5 | 88.0 | 87.5 | 86.0 | 83.0 | 87.0 | 91.0 | 94.0 | 97.5 | 97.0 | 95.0 | 96.0 | 96.0 | 99.0 | 97.0 | 97.0 | 97.5 | 90.0 | 91.0<br>81.5 | 89.1 | — | — | — |

Table 30. Vertical Intensity 33900γ+.....γ September 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 76 | 70 | 67 | 72 | 80 | 85 | 91 | 93 | 92 | 88 | 88 | 89 | 90 | 89 | 91 | 87 | 89 | 92 | 92 | 91 | 91 | 93 | 87 | 80 | 86.0 | 94 | 67 | 27 |
| 2 | 70 | 62 | 64 | 68 | 78 | 92 | 96 | 94 | 90 | 87 | 88 | 90 | 91 | 89 | 92 | 91 | 92 | 93 | 93 | 92 | 92 | 93 | 89 | 80 | 86.1 | 96 | 62 | 34 |
| 3 c | 70 | 57 | 54 | 60 | 70 | 73 | 77 | 82 | 85 | 82 | 83 | 85 | 87 | 88 | 89 | 88 | 89 | 88 | 90 | 89 | 90 | 90 | 90 | 79 | 80.6 | 94 | 54 | 40 |
| 4 | 70 | 60 | 57 | 67 | 77 | 80 | 81 | 83 | 83 | 83 | 83 | 85 | 86 | 87 | 86 | 88 | 88 | 89 | 91 | 91 | 89 | 89 | 87 | 83 | 81.8 | 92 | 56 | 36 |
| 5 | (66) | (63) | (62) | (65) | 67 | 71 | 74 | 78 | 80 | 80 | 80 | 82 | 84 | 86 | 87 | 88 | 94 | 89 | 89 | 89 | 89 | 91 | 89 | 81 | 80.2 | 91 | 62 | 29 |
| 6 d | (69) | 58 | 61 | 63 | 68 | 81 | 84 | 80 | 83 | 85 | 85 | 86 | 82 | 83 | 86 | 93 | 99 | 96 | 95 | 97 | 97 | 100 | 95 | 90 | 84.0 | 100 | 58 | 42 |
| 7 | 83 | 75 | 73 | 77 | 84 | 89 | 92 | 94 | 93 | 92 | 93 | 91 | 91 | 90 | 90 | 90 | 92 | 93 | 94 | 95 | 95 | 95 | 92 | 90 | 89.3 | 96 | 73 | 23 |
| 8 d | 84 | 76 | 72 | 69 | 67 | 83 | 86 | 86 | 88 | 89 | 90 | 92 | 92 | 93 | 94 | 93 | 93 | 93 | 95 | 92 | 90 | 95 | 92 | 92 | 87.3 | 95 | 67 | 28 |
| 9 | 83 | 79 | 81 | 74 | 84 | 90 | 93 | 93 | 90 | 88 | 89 | 90 | 90 | 90 | 91 | 90 | 92 | 92 | 92 | 91 | 90 | 92 | 88 | 87 | 88.3 | 93 | 73 | 20 |
| 10 c | 83 | 78 | 79 | 81 | 88 | 89 | 90 | 88 | 88 | 86 | 85 | 87 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 89 | 88 | 89 | 86 | 82 | 86.2 | 92 | 77 | 15 |
| 11 c | 82 | 78 | 75 | 80 | 85 | 88 | 84 | 82 | 82 | 85 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 89 | 87 | 84 | 85.3 | 90 | 74 | 16 |
| 12 | 82 | 78 | 79 | 82 | 80 | 84 | 86 | 87 | 85 | 83 | 84 | 86 | 86 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 89 | 84 | 81 | 84.9 | 89 | 76 | 13 |
| 13 | 79 | 72 | 73 | 79 | 82 | 88 | 91 | 91 | 88 | 86 | 87 | 87 | 88 | 88 | 88 | 89 | 88 | 88 | 88 | 88 | 88 | 90 | 85 | 84 | 85.6 | 91 | 72 | 19 |
| 14 | 78 | (69) | 74 | 81 | 84 | 86 | 88 | 87 | 85 | 84 | 86 | 87 | 85 | 89 | 89 | 90 | 90 | 90 | 92 | 92 | 90 | 91 | 89 | 87 | 86.0 | 92 | 69 | 23 |
| 15 | 83 | 73 | 70 | 74 | 81 | 92 | 97 | 94 | 90 | 85 | 87 | 87 | 87 | 88 | 88 | 90 | 89 | 89 | 89 | 89 | 89 | 88 | 86 | 80 | 86.0 | 97 | 69 | 28 |
| 16 c | 74 | 75 | 78 | 81 | 86 | 89 | 88 | 88 | 86 | 82 | 83 | 84 | 84 | 85 | 86 | 87 | 87 | 86 | 87 | 87 | 87 | 88 | 88 | 84 | 84.6 | 91 | 74 | 17 |
| 17 c | 74 | (68) | 62 | 68 | 76 | 77 | 81 | 86 | 83 | 80 | 80 | 83 | 85 | 85 | 85 | 85 | 86 | 87 | 87 | 87 | 88 | 87 | 86 | 84 | 81.3 | 88 | 62 | 26 |
| 18 | 79 | 71 | 70 | 76 | 85 | 87 | 86 | 85 | 82 | 79 | 82 | 84 | 86 | 86 | 87 | 88 | 91 | 89 | 89 | 88 | 88 | 89 | 87 | 80 | 83.9 | 91 | 69 | 22 |
| 19 | 76 | 69 | 68 | 75 | 80 | 83 | 86 | 84 | 80 | 78 | 84 | 86 | 87 | 89 | 91 | 90 | 93 | 91 | 91 | 90 | 89 | 89 | 88 | 85 | 84.3 | 95 | 67 | 28 |
| 20 | 79 | 73 | 66 | 67 | 79 | 83 | 86 | 85 | 84 | 83 | 86 | 87 | 88 | 89 | 88 | 89 | 88 | 89 | 90 | 89 | 88 | 87 | 86 | 85 | 83.9 | 92 | 64 | 28 |
| 21 | 80 | 73 | 73 | 76 | 78 | 82 | 84 | 87 | 87 | 83 | 83 | 86 | 85 | 86 | 85 | 85 | 86 | 86 | 87 | 86 | 86 | 84 | 84 | 88 | 83.1 | 89 | 71 | 18 |
| 22 | 78 | 74 | 66 | 65 | 67 | 72 | 76 | 81 | 80 | 77 | 75 | 77 | 82 | 85 | 87 | 87 | 86 | 86 | 86 | 84 | 85 | 85 | 85 | 85 | 79.6 | 88 | 64 | 24 |
| 23 d | 80 | (72) | 64 | 67 | 75 | 84 | 85 | 87 | 83 | 76 | 76 | 81 | 81 | 86 | 89 | 92 | 91 | 93 | 97 | 91 | 87 | 87 | 91 | 88 | 83.5 | 97 | 64 | 33 |
| 24 d | 82 | 80 | 78 | 81 | 89 | 88 | 82 | 87 | 90 | 87 | 87 | 85 | 82 | 87 | 91 | 94 | 96 | 90 | 90 | 89 | 90 | 87 | 86 | 84 | 86.8 | 94 | 77 | 17 |
| 25 d | 82 | 75 | 70 | 76 | 86 | 87 | 88 | 83 | 80 | 85 | 87 | 88 | 83 | 88 | 89 | 88 | 90 | 87 | 85 | 85 | 82 | 83 | 82 | 86 | 84.0 | 96 | 68 | 28 |
| 26 | 85 | 78 | 77 | 80 | 88 | 89 | 87 | 86 | 87 | 84 | 85 | 87 | 85 | 87 | 88 | 87 | 87 | 87 | 86 | 86 | 86 | 83 | 84 | 83 | 85.1 | 91 | 76 | 15 |
| 27 | 78 | 65 | 66 | 75 | 83 | 87 | 87 | 81 | 82 | 83 | 80 | 79 | 84 | 86 | 83 | 83 | 82 | 84 | 86 | 85 | 86 | 85 | 85 | 84 | 81.6 | 88 | 64 | 24 |
| 28 | 89 | 71 | (68) | 71 | 77 | 84 | 85 | 82 | 80 | 82 | 70 | 81 | 81 | 83 | 84 | 84 | 86 | 87 | 86 | 86 | 86 | 86 | 85 | 83 | 81.5 | 87 | 68 | 19 |
| 29 | 83 | 77 | 79 | 82 | 86 | 90 | 88 | 87 | 80 | 78 | 78 | 80 | 83 | 84 | 85 | 85 | 86 | 85 | 85 | 85 | 83 | 83 | 83 | 83 | 83.3 | 90 | 75 | 15 |
| 30 | 82 | 76 | 76 | 81 | 83 | 86 | 89 | 86 | 82 | 82 | 84 | 86 | 86 | 85 | 88 | 87 | 86 | 86 | 87 | 87 | 87 | 88 | 88 | 88 | 84.8 | 90 | 74 | 16 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 78.3 | 71.5 | 70.0 | 73.7 | 79.7 | 84.6 | 86.2 | 86.2 | 84.9 | 83.4 | 84.2 | 85.5 | 85.8 | 87.1 | 87.9 | 88.4 | 89.3 | 89.0 | 89.5 | 88.9 | 88.4 | 88.8 | 87.1 | 84.3 | 84.0 | — | — | — |
| 〃 c | 76.6<br>77.4 | 71.2<br>71.0 | 69.6 | 74.0 | 81.0 | 83.2 | 84.0 | 85.2 | 84.8 | 83.0 | 83.8 | 85.0 | 85.8 | 86.6 | 87.2 | 87.2 | 87.6 | 87.4 | 88.0 | 88.0 | 88.2 | 88.6 | 87.4 | 82.6<br>82.6 | 83.6 | — | — | — |
| 〃 d | 79.4<br>83.0 | 72.2<br>77.4 | 69.0 | 71.2 | 77.0 | 84.6 | 85.0 | 84.6 | 84.8 | 84.4 | 85.0 | 86.4 | 84.0 | 87.4 | 89.8 | 92.0 | 93.8 | 91.8 | 92.4 | 90.8 | 89.2 | 90.4 | 89.2 | 85.6<br>88.0 | 85.1 | — | — | — |

(958)

Table 31. Vertical Intensity 33900γ+.....γ October 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 82 | 76 | 73 | 74 | 76 | 80 | 84 | 87 | 84 | 80 | 82 | 84 | 85 | 86 | 85 | 84 | 85 | 85 | 85 | 85 | 85 | 84 | 87 | 86 | 82.7 | 87 | 72 | 15 |
| 2 | 80 | 76 | 72 | 71 | 76 | 79 | 83 | 82 | 79 | 74 | 76 | 79 | 78 | 83 | 87 | 86 | 86 | 89 | 88 | 87 | 84 | 83 | 85 | 83 | 81.1 | 89 | 70 | 19 |
| 3 | 79 | 71 | 69 | 75 | 76 | 79 | 82 | 82 | 80 | 80 | 79 | 84 | 85 | 85 | 87 | 84 | 84 | 84 | 85 | 85 | 85 | 85 | 87 | 84 | 81.5 | 88 | 68 | 20 |
| 4 | 81 | 73 | 70 | 74 | 79 | 81 | 83 | 87 | 85 | 80 | 81 | 84 | 83 | 82 | 83 | 85 | 86 | 87 | 87 | 85 | 84 | 84 | 84 | 83 | 82.1 | 87 | 69 | 18 |
| 5 | 80 | 78 | 71 | 70 | 77 | 78 | 80 | 80 | 80 | 80 | 81 | 81 | 82 | 84 | 86 | 87 | 87 | 87 | 87 | 87 | 87 | 85 | 85 | 85 | 81.9 | 85 | 68 | 17 |
| 6 c | 83 | 77 | 72 | 67 | 69 | 70 | 71 | 76 | 79 | 78 | 79 | 80 | 81 | 82 | 82 | 82 | 83 | 84 | 83 | 83 | 83 | 83 | 85 | 85 | 79.0 | 87 | 67 | 20 |
| 7 | 83 | 77 | 70 | 66 | 70 | 72 | 78 | 84 | 84 | 81 | 81 | 80 | 81 | 82 | 82 | 83 | 85 | 84 | 84 | 84 | 85 | 84 | 87 | 88 | 80.7 | 89 | 66 | 23 |
| 8 | 86 | 81 | (72) | (72) | (75) | 84 | 87 | 86 | 82 | 81 | 83 | 84 | 84 | 84 | 84 | 85 | 86 | 86 | 86 | 86 | 86 | 84 | 87 | 89 | 83.4 | 89 | 66 | 23 |
| 9 | 83 | 74 | 70 | 70 | 70 | 74 | 78 | 81 | 79 | 81 | 81 | 82 | 83 | 84 | 85 | 84 | 86 | 83 | 85 | 85 | 82 | 83 | 85 | 85 | 80.5 | 86 | 70 | 16 |
| 10 | 81 | 78 | 74 | 73 | 69 | 76 | 76 | 79 | 80 | 83 | 83 | 83 | 83 | 83 | 83 | 86 | 85 | 84 | 82 | 82 | 84 | 85 | 86 | 87 | 81.0 | 87 | 68 | 19 |
| 11 | 83 | 80 | 78 | 68 | 72 | 74 | 76 | 78 | 79 | 81 | 81 | 81 | 81 | 82 | 82 | 82 | 83 | 84 | 84 | 84 | 83 | 82 | 83 | 83 | 80.0 | 85 | 68 | 17 |
| 12 | 81 | 79 | 75 | 75 | 79 | 82 | 84 | 82 | 81 | 80 | 81 | 82 | 81 | 83 | 82 | 84 | 84 | 84 | 85 | 85 | 83 | 81 | 84 | 83 | 81.7 | 85 | 74 | 11 |
| 13 c | 76 | 72 | 66 | 64 | 69 | 76 | 79 | 82 | 78 | 79 | 79 | 81 | 81 | 81 | 84 | 85 | 81 | 83 | 83 | 84 | 82 | 83 | 83 | 82 | 78.9 | 85 | 63 | 22 |
| 14 c | 75 | 70 | 68 | 65 | 65 | 74 | 80 | 79 | 76 | 77 | 77 | 77 | 78 | 79 | 80 | 81 | 82 | 82 | 83 | 83 | 82 | 81 | 82 | 84 | 77.5 | 85 | 65 | 20 |
| 15 d | 82 | 78 | 67 | 61 | 64 | 75 | 79 | 79 | 73 | 69 | 70 | 70 | 73 | 82 | 91 | 91 | 89 | 88 | 91 | 88 | 87 | 86 | 84 | 84 | 79.2 | 93 | 59 | 34 |
| 16 d | 75 | 73 | 66 | 65 | 76 | 81 | 78 | 79 | 85 | 84 | 85 | 86 | 82 | 84 | 85 | 88 | 86 | 87 | 85 | 84 | 85 | 86 | 88 | 88 | 81.7 | 91 | 63 | 28 |
| 17 | 85 | 82 | 77 | 74 | 77 | 85 | 86 | 84 | 80 | 80 | 80 | 82 | 82 | 83 | 85 | 80 | 82 | 86 | — | — | — | — | — | — | — | 86 | 73 | 13 |
| 18 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19 | 80 | 79 | 74 | 67 | 67 | 72 | 73 | 77 | 78 | 78 | 80 | 80 | 79 | 84 | 80 | 81 | 83 | 83 | 83 | 83 | 82 | 82 | 83 | 82 | 78.8 | 85 | 65 | 20 |
| 20 d | 80 | (76) | 72 | 66 | 68 | 70 | 73 | 74 | 75 | 74 | 74 | 80 | 79 | 78 | 77 | 82 | 83 | 84 | 83 | 83 | 85 | 78 | 79 | 80 | 77.2 | 86 | 66 | 20 |
| 21 d | 77 | 75 | 70 | 66 | 69 | 75 | 81 | 82 | 82 | 82 | 85 | 84 | 85 | 89 | 86 | 84 | 85 | 86 | 85 | 86 | 85 | 84 | 86 | 85 | 81.4 | 89 | 65 | 24 |
| 22 | 82 | 80 | 77 | 74 | 74 | 77 | 79 | 80 | 80 | 80 | 81 | 80 | 80 | 80 | 83 | 80 | 81 | 81 | 83 | 83 | 83 | 84 | 85 | 82 | 80.4 | 85 | 73 | 12 |
| 23 d | 77 | 75 | 74 | 73 | 75 | 80 | 83 | 82 | 79 | 74 | 77 | 80 | 84 | 86 | 87 | 91 | 86 | 88 | 88 | 88 | 88 | 88 | 86 | 87 | 82.3 | 93 | 71 | 22 |
| 24 | 86 | 85 | 80 | 78 | 78 | 80 | 80 | 80 | 80 | 77 | 81 | 81 | 84 | 90 | 85 | 85 | 85 | 85 | 85 | 84 | 85 | 85 | 87 | 86 | 83.0 | 90 | 75 | 25 |
| 25 | 85 | 81 | 75 | 68 | 70 | 74 | 79 | 80 | 81 | 81 | 81 | 82 | 83 | 84 | 86 | 86 | 90 | 88 | 87 | 86 | 86 | 86 | 85 | 85 | 82.0 | 90 | 68 | 22 |
| 26 c | 85 | 82 | 83 | 74 | 67 | 71 | 76 | 82 | 83 | 82 | 83 | 82 | 82 | 82 | 83 | 84 | 84 | 85 | 85 | 85 | 84 | 84 | 85 | 85 | 81.6 | 86 | 66 | 20 |
| 27 | 84 | 80 | 75 | 72 | 72 | 74 | — | — | — | — | — | 80 | 83 | 88 | 86 | 91 | 85 | 89 | 86 | 86 | 85 | 86 | 85 | 86 | — | 92 | 71 | 21 |
| 28 c | 81 | 77 | 73 | 68 | 73 | 79 | 83 | 85 | 84 | 83 | 82 | 84 | 85 | 84 | 85 | 85 | 85 | 85 | 84 | 84 | 83 | 85 | 86 | 86 | 82.0 | 85 | 68 | 17 |
| 29 | 82 | 78 | 69 | 62 | 68 | 74 | 78 | 82 | 81 | 81 | 83 | 84 | 84 | 85 | 86 | 86 | 86 | 86 | 86 | 86 | 85 | 85 | 85 | 87 | 81.2 | 87 | 61 | 26 |
| 30 | 85 | 81 | 75 | 68 | 68 | 73 | 80 | 81 | 79 | 82 | 86 | 82 | 86 | 90 | 91 | 91 | 91 | 89 | 89 | 90 | 90 | 90 | 88 | 84 | 83.7 | 92 | 66 | 26 |
| 31 | 81 | (80) | 79 | 74 | 74 | 81 | 84 | 84 | 85 | 84 | 84 | 84 | 87 | 86 | 87 | 88 | 89 | 89 | 89 | 89 | 88 | 88 | 90 | 88 | 84.7 | 90 | 72 | 18 |
| mean | 81.3 | 77.3 | 72.6 | 69.9 | 72.4 | 77.0 | 80.0 | 81.4 | 80.5 | 79.6 | 80.5 | 81.5 | 82.2 | 83.7 | 84.6 | 84.9 | 85.1 | 85.5 | 85.2 | 85.0 | 84.5 | 84.1 | 85.1 | 84.7 | 81.2 | — | — | — |
| 〃 c | 80.0<br>81.2 | 76.6<br>76.6 | 72.4 | 67.6 | 68.6 | 74.0 | 77.8 | 80.8 | 80.0 | 79.8 | 80.0 | 81.0 | 81.4 | 81.6 | 82.8 | 83.4 | 83.0 | 83.8 | 83.6 | 83.8 | 82.8 | 83.2 | 84.2 | 84.2<br>84.4 | 79.8 | — | — | — |
| 〃 d | 78.2<br>81.0 | 75.4<br>79.0 | 69.8 | 66.2 | 70.4 | 76.2 | 78.8 | 79.2 | 78.8 | 76.6 | 78.2 | 80.0 | 80.6 | 83.8 | 85.2 | 87.2 | 85.8 | 86.6 | 86.4 | 85.8 | 86.0 | 84.4 | 84.6 | 82.4<br>84.8 | 80.4 | — | — | — |

Table 82. Vertical Intensity 33900 +..... November 1932

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 82 | 73 | 68 | 65 | 65 | 68 | 72 | 78 | 79 | 82 | 86 | 88 | 88 | 88 | 91 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2 | 85 | 81 | 76 | 73 | 75 | 79 | 82 | 87 | 86 | 87 | 87 | 86 | 87 | 84 | 87 | 88 | 86 | 88 | 87 | 87 | 86 | 85 | 86 | 88 | 84.3 | 89 | 70 | 19 |
| 3 | 85 | 80 | 72 | 68 | 68 | 71 | 78 | 83 | 84 | 83 | 84 | (87) | 87 | 88 | 88 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4 | 85 | 81 | 73 | 65 | 68 | 72 | 79 | 84 | 84 | 83 | 83 | 84 | 85 | 85 | 85 | 86 | 87 | 86 | 87 | 86 | 85 | 85 | 86 | 85 | 82.0 | 88 | 64 | 24 |
| 5 | 84 | 81 | 74 | 68 | 71 | 77 | 83 | 86 | 86 | 85 | 85 | 84 | 84 | 83 | 84 | 85 | 86 | 87 | 85 | 83 | 85 | 86 | 86 | 86 | 82.7 | 89 | 68 | 21 |
| 6 c | 80 | 79 | 74 | 70 | 71 | 76 | 80 | 82 | 82 | 83 | 84 | 84 | 84 | 84 | 85 | 86 | 85 | 84 | 84 | 85 | 84 | 85 | 87 | 86 | 81.8 | 87 | 70 | 17 |
| 7 | 82 | 76 | 75 | 74 | 74 | 78 | 80 | 83 | 83 | 82 | 82 | 81 | 81 | 81 | 82 | 81 | 81 | 86 | 86 | 83 | 83 | 83 | 83 | 83 | 81.0 | 87 | 73 | 14 |
| 8 | 82 | (80) | 77 | 72 | 73 | 81 | 86 | 85 | 84 | 85 | 85 | 85 | 85 | 85 | 85 | 87 | 87 | 88 | 88 | 87 | 87 | 87 | 86 | 87 | 83.9 | 88 | 71 | 17 |
| 9 c | 86 | 83 | (77) | 71 | 71 | 76 | 80 | 86 | 85 | 83 | 83 | 84 | 84 | 84 | 85 | 85 | 85 | 84 | 84 | 86 | 84 | 85 | 84 | 87 | 82.6 | 86 | 71 | 15 |
| 10 c | 84 | 74 | 72 | 72 | 76 | 79 | 81 | 83 | (81) | 82 | 83 | 83 | 83 | 83 | 84 | 84 | 87 | 86 | 86 | 86 | 86 | 86 | 86 | 87 | 82.3 | 85 | 72 | 13 |
| 11 | 82 | 72 | 69 | 69 | 73 | 79 | 81 | 82 | 84 | 84 | 84 | 84 | 85 | 84 | 86 | 86 | 86 | 85 | 85 | 84 | 85 | 84 | 86 | 86 | 81.9 | 88 | 68 | 20 |
| 12 | 81 | 75 | 72 | 69 | 72 | 74 | 79 | 79 | 81 | 80 | 79 | 80 | 82 | (82) | (83) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 13 | 79 | (75) | 69 | 67 | 70 | 77 | 81 | 85 | 84 | 81 | 80 | 81 | 81 | 81 | 83 | 84 | 85 | 85 | 84 | 85 | 84 | 84 | 85 | 84 | 81.5 | — | — | — |
| 14 d | 79 | 74 | 69 | 66 | 66 | 72 | 73 | 74 | 77 | 74 | 80 | 83 | 86 | 89 | 81 | 83 | 83 | 83 | 86 | 85 | 86 | 85 | 85 | 86 | 79.4 | 90 | 65 | 25 |
| 15 d | 86 | 83 | 81 | 78 | 75 | 77 | 81 | 87 | 87 | 83 | 87 | 87 | 87 | 90 | 89 | 89 | 88 | 89 | 91 | 91 | 90 | 85 | 87 | 89 | 85.7 | 94 | 75 | 19 |
| 16 d | 85 | 77 | 72 | 66 | 68 | 71 | 77 | 81 | 83 | 87 | 85 | 88 | 88 | 88 | 87 | 90 | 88 | 86 | 90 | 87 | 84 | 85 | 85 | 84 | 82.6 | 91 | 64 | 27 |
| 17 d | 79 | 75 | (71) | 67 | 69 | 72 | 74 | 78 | 78 | 81 | 81 | 81 | 81 | 86 | 84 | 86 | 85 | 86 | 86 | 84 | 84 | 86 | 88 | 90 | 80.5 | 89 | 67 | 22 |
| 18 | 88 | 80 | 75 | 71 | 70 | 70 | 75 | 81 | 83 | 82 | 86 | 85 | 85 | 88 | 86 | 84 | 88 | 86 | 85 | 87 | 86 | 85 | 88 | 88 | 82.6 | 88 | 68 | 20 |
| 19 | 85 | 79 | 73 | 71 | 72 | 76 | 77 | 81 | 85 | 82 | 83 | 84 | 84 | 85 | 86 | 86 | 88 | 88 | 88 | 88 | 88 | 87 | 87 | 89 | 83.0 | 90 | 70 | 20 |
| 20 | 86 | 81 | 77 | 70 | 69 | 75 | 82 | 82 | 83 | 83 | 83 | 83 | 83 | 84 | 84 | 84 | 86 | 83 | 84 | 84 | 85 | 84 | 86 | 86 | 82.0 | 89 | 67 | 22 |
| 21 | 81 | 77 | 73 | 69 | 70 | 75 | 81 | 85 | 83 | 81 | 83 | 83 | 83 | 84 | 84 | 84 | 85 | 84 | 84 | 84 | 85 | 84 | 84 | 85 | 81.3 | 86 | 68 | 18 |
| 22 c | 83 | 79 | 71 | 70 | 75 | 77 | 78 | 80 | 83 | 82 | 83 | 84 | 85 | 84 | 84 | 85 | 85 | 87 | 88 | 87 | 86 | 87 | 87 | 86 | 82.3 | 88 | 69 | 19 |
| 23 | 82 | 79 | 75 | 75 | 76 | 79 | 83 | 86 | 84 | 83 | 83 | 85 | 83 | 82 | 83 | 85 | 86 | 85 | 85 | 85 | 86 | 85 | 85 | 86 | 82.7 | 87 | 75 | 12 |
| 24 c | 82 | 74 | 70 | 67 | 68 | 71 | 76 | 81 | 82 | 80 | 79 | 80 | 80 | 80 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 82 | 82 | 85 | 78.6 | 85 | 67 | 18 |
| 25 | 82 | 78 | 74 | 71 | 75 | 75 | 79 | 83 | 79 | 79 | 80 | 78 | 79 | 80 | 81 | 82 | 87 | 84 | 83 | 84 | 84 | 82 | 82 | 82 | 80.1 | 87 | 71 | 16 |
| 26 | 77 | 73 | 73 | 74 | 73 | 77 | 80 | 80 | 80 | 80 | 81 | 81 | 81 | 82 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 84 | 83 | 83 | 80.1 | 85 | 72 | 13 |
| 27 | 83 | 75 | (69) | 67 | 67 | 69 | 76 | 81 | 81 | 80 | 81 | 81 | 81 | 81 | 82 | 82 | 82 | 83 | 83 | 82 | 83 | 83 | 83 | 82 | 79.0 | 83 | 66 | 17 |
| 28 | 76 | 76 | 71 | 71 | 73 | 75 | 78 | 80 | 78 | 76 | 78 | 79 | 81 | 81 | 80 | 82 | 84 | 85 | 84 | 82 | 82 | 82 | 83 | 84 | 79.2 | 86 | 70 | 16 |
| 29 | 81 | 74 | (68) | (68) | 64 | 69 | 76 | 76 | 74 | 76 | 78 | 81 | 81 | 81 | 82 | 85 | 84 | 81 | 82 | 81 | 81 | 81 | 81 | 82 | 77.6 | 86 | 62 | 24 |
| 30 | 84 | 81 | 75 | 73 | 75 | 81 | 83 | 82 | 78 | 78 | 79 | 81 | 82 | 83 | 84 | 84 | 84 | 84 | 84 | 84 | 83 | 84 | 84 | 85 | 81.5 | 85 | 73 | 12 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 82.5 | 77.4 | 72.9 | 69.9 | 71.1 | 74.9 | 78.9 | 81.7 | 81.8 | 81.4 | 82.4 | 83.0 | 83.5 | 84.1 | 84.2 | 84.7 | 85.3 | 85.1 | 85.3 | 84.9 | 84.7 | 84.5 | 85.0 | 85.6 | 81.5 | — | — | — |
| 〃 c | 83.0<br>82.4 | 77.8<br>75.8 | 72.8 | 70.0 | 72.2 | 75.8 | 79.0 | 82.4 | 82.6 | 82.0 | 82.4 | 83.0 | 83.2 | 83.0 | 83.8 | 84.0 | 84.6 | 84.4 | 84.6 | 85.0 | 84.2 | 85.0 | 85.2 | 86.2<br>86.2 | 81.5 | — | — | — |
| 〃 d | 82.2<br>84.5 | 76.4<br>78.8 | 72.2 | 68.4 | 68.6 | 72.0 | 75.4 | 79.6 | 80.8 | 81.4 | 83.8 | 85.4 | 86.0 | 88.2 | 86.4 | 87.0 | 86.0 | 86.0 | 88.3 | 86.8 | 86.0 | 85.3 | 86.3 | 86.2<br>87.3 | 81.9 | — | — | — |

Table 33. Vertical Intensity 33900γ+.....γ December 1932.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 84 | 77 | 70 | 67 | 71 | 77 | 81 | 83 | 79 | 79 | 80 | 80 | 82 | 84 | 85 | 85 | 85 | 87 | 86 | 85 | 83 | 83 | 84 | 86 | 81.0 | 85 | 66 | 19 |
| 2 | 84 | 81 | 75 | 68 | 71 | 73 | 76 | 83 | 81 | 80 | 80 | 82 | 82 | 83 | 83 | 83 | 84 | 84 | 85 | 87 | 86 | 84 | 84 | 85 | 81.0 | 86 | 67 | 19 |
| 3 | 84 | 78 | 75 | 71 | 74 | 75 | 78 | 82 | 82 | 81 | 83 | 82 | 83 | 85 | 86 | 86 | 86 | 86 | 85 | 85 | 85 | 85 | 85 | 87 | 82.0 | 86 | 70 | 16 |
| 4 | 84 | 81 | 74 | 70 | 74 | 78 | 80 | 79 | 80 | 79 | 80 | 81 | 82 | 81 | 82 | 82 | 84 | 84 | 83 | 82 | 82 | 84 | 83 | 86 | 80.6 | 88 | 70 | 18 |
| 5 c | 85 | (80) | 74 | 70 | 67 | 72 | 79 | 83 | 83 | 81 | 81 | 82 | 83 | 83 | 83 | 83 | 83 | 83 | 82 | 82 | 82 | 82 | 82 | 85 | 80.4 | 86 | 67 | 19 |
| 6 | 86 | 84 | 74 | 72 | 71 | 75 | 79 | 77 | 77 | 77 | 77 | 77 | 80 | 79 | 80 | 81 | 82 | 80 | 80 | 80 | 80 | 80 | 81 | 83 | 78.8 | 84 | 71 | 13 |
| 7 c | 80 | 75 | 73 | 73 | 72 | 73 | 76 | 81 | 80 | 80 | 81 | 82 | 82 | 82 | 82 | 82 | 83 | 82 | 82 | 82 | 82 | 81 | 81 | 81 | 79.5 | 83 | 72 | 11 |
| 8 d | 81 | 80 | 77 | 74 | 74 | 73 | 71 | 77 | 80 | 80 | 78 | 77 | 76 | 81 | 83 | 84 | 84 | 84 | 81 | 82 | 82 | 83 | 82 | 79 | 79.3 | 85 | 70 | 15 |
| 9 | 80 | 80 | 76 | 74 | 71 | 72 | 75 | 76 | 77 | 77 | 80 | 81 | 82 | 83 | 83 | 86 | 87 | 84 | 85 | 84 | 84 | 83 | 83 | 83 | 80.3 | 87 | 70 | 17 |
| 10 | 84 | 80 | 77 | 77 | 77 | 79 | 79 | 81 | 80 | 80 | 79 | 80 | 81 | 81 | 81 | 80 | 82 | 82 | 82 | 84 | 83 | 81 | 81 | 82 | 80.5 | 87 | 76 | 11 |
| 11 | 82 | 79 | 75 | 70 | 72 | 74 | 75 | 77 | 79 | 79 | 80 | 81 | 81 | 82 | 82 | 82 | 82 | 82 | 82 | 81 | 81 | 82 | 82 | 83 | 79.4 | 83 | 69 | 14 |
| 12 c | 81 | 76 | 70 | 68 | 71 | 73 | 73 | 76 | 79 | 79 | 80 | 81 | 82 | 83 | 83 | 82 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 78.5 | 83 | 67 | 16 |
| 13 | 80 | 77 | 74 | 73 | 76 | 76 | 77 | 80 | 82 | 80 | 80 | 80 | 81 | 81 | 81 | 81 | 82 | 86 | 86 | 84 | 84 | 85 | 85 | 85 | 80.7 | 88 | 73 | 15 |
| 14 d | 83 | 75 | 66 | 66 | 68 | 72 | 76 | 81 | 80 | 78 | 76 | 74 | 79 | (70) | 73 | 84 | 84 | 86 | 84 | 82 | 86 | 80 | 82 | 83 | 77.8 | 87 | 63 | 24 |
| 15 d | 83 | 80 | 76 | 75 | 76 | 79 | 85 | 88 | 86 | 85 | 83 | 85 | 88 | 88 | 90 | 89 | 87 | 88 | 88 | 86 | 88 | 84 | 79 | 79 | 84.0 | 91 | 74 | 17 |
| 16 d | 78 | 73 | 74 | 74 | 81 | 86 | 87 | 88 | 86 | 84 | 84 | 84 | 86 | 89 | 89 | 89 | 88 | 92 | 88 | 84 | 86 | 85 | 86 | 86 | 84.5 | 92 | 72 | 20 |
| 17 d | 84 | 75 | 74 | 77 | 77 | 81 | 82 | 82 | 82 | 81 | 82 | 83 | 87 | 86 | 84 | 85 | 89 | 87 | 88 | 89 | 90 | 87 | 87 | 86 | 83.5 | 92 | 73 | 19 |
| 18 | 84 | 80 | 76 | 75 | 78 | 79 | 81 | 83 | 82 | 81 | 81 | 84 | 84 | 84 | 89 | 86 | 86 | 87 | 87 | 88 | 87 | 87 | 85 | 85 | 83.3 | 89 | 74 | 15 |
| 19 | 88 | 86 | 82 | 80 | 81 | 83 | 83 | 84 | 83 | 82 | 83 | 83 | 83 | 84 | 86 | 83 | 86 | 87 | 87 | 86 | 86 | 88 | 86 | 86 | 84.4 | 88 | 79 | 9 |
| 20 | 85 | 81 | 79 | 81 | 81 | 82 | 82 | 84 | 82 | 84 | 84 | 84 | 85 | 86 | 86 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 89 | 84.6 | 89 | 78 | 11 |
| 21 c | 88 | 86 | 78 | 78 | 79 | 79 | 82 | 84 | 82 | 81 | 82 | 83 | 83 | 84 | 85 | 85 | 86 | 85 | 85 | 86 | 85 | 84 | 84 | 84 | 83.3 | 86 | 76 | 10 |
| 22 | 84 | 82 | 83 | 80 | 80 | 82 | 84 | 84 | 82 | 81 | 80 | 80 | 82 | 82 | 82 | 82 | 82 | 82 | 84 | 83 | 82 | 83 | 83 | 84 | 82.2 | 88 | 80 | 8 |
| 23 c | 86 | 84 | 78 | 76 | 75 | 75 | 78 | 82 | 82 | 79 | 79 | 78 | 79 | 82 | 84 | 84 | 83 | 83 | 82 | 83 | 83 | 83 | 82 | 85 | 81.0 | 88 | 73 | 15 |
| 24 | 88 | 84 | 77 | 77 | 79 | 80 | 81 | 82 | 82 | 80 | 80 | 79 | 81 | 82 | 82 | 81 | 81 | 82 | 83 | 83 | 83 | 82 | 82 | 83 | 81.4 | 88 | 76 | 12 |
| 25 | 83 | 79 | 72 | 72 | 74 | 75 | 81 | 84 | 84 | 79 | 79 | 79 | 79 | 80 | 80 | 79 | 81 | 81 | 81 | 81 | 80 | 82 | 81 | 84 | 79.6 | 87 | 71 | 16 |
| 26 | 86 | 80 | 79 | 81 | 83 | 81 | 83 | 84 | 79 | 81 | 82 | 83 | 83 | 83 | 83 | 84 | 84 | 84 | 84 | 85 | 83 | 80 | 82 | 82 | 82.5 | 86 | 79 | 7 |
| 27 | 79 | 73 | 68 | 69 | 76 | 79 | 82 | 85 | 82 | 84 | 83 | 82 | 85 | 88 | 85 | 86 | 88 | 87 | 86 | 87 | 87 | 87 | 88 | 89 | 82.7 | 90 | 67 | 23 |
| 28 | 87 | 81 | 78 | 73 | 77 | 78 | 82 | 86 | 86 | 84 | 84 | 85 | 86 | 86 | 85 | 90 | 88 | 89 | 86 | 87 | 87 | 85 | 87 | 85 | 84.3 | 91 | 73 | 18 |
| 29 | 85 | 82 | — | — | — | — | 82 | 85 | 85 | 83 | 84 | 85 | 85 | 86 | 88 | 86 | 86 | 86 | 86 | 86 | 85 | 86 | 86 | — | — | 89 | 75 | 14 |
| 30 | — | — | — | — | — | — | — | — | — | — | 80 | 81 | 83 | 84 | 85 | 84 | 85 | 86 | 86 | 87 | 85 | 83 | 83 | 84 | — | — | — | — |
| 31 | 85 | 83 | 80 | (80) | 80 | 81 | 82 | 85 | 83 | 83 | 83 | 83 | 83 | 85 | 85 | 86 | 87 | 85 | 84 | 86 | 85 | 85 | 84 | 84 | 83.6 | — | — | — |
| mean | 83.7 | 79.7 | 75.3 | 73.8 | 75.4 | 77.3 | 79.7 | 82.2 | 81.6 | 80.7 | 80.9 | 81.3 | 82.5 | 83.2 | 83.7 | 84.1 | 84.6 | 84.8 | 84.4 | 84.4 | 84.2 | 83.6 | 83.5 | 84.1 | 81.6 | — | — | — |
| 〃 c | 84.0<br>83.8 | 80.2<br>81.4 | 74.6 | 73.0 | 72.8 | 74.4 | 77.6 | 81.2 | 81.2 | 80.0 | 80.6 | 81.2 | 81.8 | 82.8 | 83.4 | 83.2 | 83.2 | 82.8 | 82.4 | 82.8 | 82.6 | 82.2 | 82.0 | 85.0<br>83.2 | 80.6 | — | — | — |
| 〃 d | 81.8<br>81.8 | 76.6<br>77.6 | 73.4 | 73.2 | 75.2 | 78.2 | 80.2 | 83.2 | 82.8 | 81.6 | 80.6 | 80.6 | 83.2 | 82.8 | 83.8 | 86.2 | 86.4 | 87.4 | 85.8 | 84.6 | 86.4 | 83.8 | 83.2 | 82.8<br>82.6 | 81.8 | — | — | — |

Table 34. Vertical Intensity 33900γ+.....γ January 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 84 | 79 | 77 | 80 | 81 | 84 | 85 | 85 | 84 | 84 | 85 | 84 | 85 | 86 | 88 | 89 | 85 | 87 | 88 | 90 | 89 | 88 | 86 | 88 | 85.0 | 91 | 76 | 15 |
| 2 | 88 | 83 | (78) | 79 | 83 | 88 | 92 | 92 | 88 | 85 | 88 | 86 | 90 | 90 | 89 | 90 | 89 | 89 | 90 | 91 | 91 | 89 | 91 | 92 | 87.8 | 93 | 73 | 20 |
| 3 | 92 | 84 | 75 | 82 | 89 | 88 | 88 | 87 | 90 | 90 | 90 | 89 | 89 | 89 | 91 | 90 | 89 | 90 | 90 | 89 | 89 | 89 | 89 | 89 | 88.2 | 91 | 75 | 16 |
| 4 c | 90 | 89 | 81 | 77 | 76 | 79 | 83 | 87 | 88 | 88 | 88 | 87 | 88 | 88 | 88 | 89 | 87 | 88 | 89 | 88 | 88 | 88 | 88 | 89 | 86.8 | 90 | 76 | 14 |
| 5 c | 90 | 88 | (79) | 75 | 74 | 77 | 80 | 85 | 88 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 86 | 86 | 86 | 86 | 87 | 84.8 | 92 | 73 | 19 |
| 6 | 90 | 86 | 77 | 74 | 76 | 81 | 83 | 86 | 88 | 84 | 80 | 80 | 83 | 86 | 92 | 89 | 88 | 89 | 89 | 88 | 89 | 89 | 89 | 90 | 85.2 | 92 | 73 | 19 |
| 7 | 89 | 81 | 77 | 78 | 80 | 81 | 85 | 92 | 90 | 87 | 87 | 86 | 86 | 87 | 87 | 88 | 87 | 89 | 86 | 85 | 86 | 87 | 89 | 90 | 85.8 | 92 | 77 | 15 |
| 8 | 90 | 81 | 79 | 75 | 70 | 78 | 86 | 88 | 86 | 84 | 85 | 85 | 86 | 87 | 86 | 86 | 86 | 86 | 87 | 86 | 86 | 86 | 87 | 89 | 84.4 | 90 | 70 | 20 |
| 9 | 88 | 86 | 83 | 78 | 79 | 80 | 81 | 82 | 83 | 83 | 84 | 85 | 85 | 86 | 86 | 86 | 84 | 85 | 86 | 87 | 87 | 87 | 86 | 88 | 84.4 | 89 | 77 | 12 |
| 10 c | 89 | 81 | 74 | 70 | 73 | 74 | 80 | 88 | 86 | 83 | 84 | 85 | 85 | 86 | 87 | 87 | 87 | 86 | 86 | 87 | 86 | 86 | 86 | 88 | 83.5 | 89 | 70 | 19 |
| 11 c | 86 | 80 | 78 | 72 | 74 | 80 | 86 | 89 | 88 | 85 | 83 | 84 | 85 | 85 | 85 | 86 | 87 | 86 | 87 | 87 | 87 | 87 | 87 | 87 | 84.2 | 89 | 71 | 18 |
| 12 | 87 | 78 | 84 | 67 | 73 | 75 | 73 | 84 | 85 | 84 | 82 | 83 | 84 | 85 | 86 | 85 | 85 | 86 | 85 | 85 | 85 | 85 | 85 | 86 | 82.4 | 87 | 66 | 21 |
| 13 | 86 | 77 | 70 | 71 | 77 | 81 | 84 | 85 | 84 | 83 | 82 | 82 | 82 | 83 | 84 | 84 | 85 | 85 | 85 | 84 | 85 | 84 | 84 | 88 | 82.3 | 88 | 69 | 19 |
| 14 | 86 | 79 | 79 | 78 | 78 | 82 | 86 | 85 | 83 | 82 | 82 | 82 | 83 | 83 | 84 | 84 | 84 | 84 | 84 | 85 | 84 | 84 | 84 | 86 | 83.0 | 87 | 75 | 12 |
| 15 | 81 | 77 | (74) | (74) | (74) | 74 | 74 | 79 | 76 | 74 | 85 | 88 | 89 | 90 | 89 | 89 | 89 | 89 | 89 | 90 | 89 | 89 | 88 | 91 | 83.4 | 92 | 70 | 22 |
| 16 | 91 | 86 | 81 | 79 | 82 | 83 | 81 | 83 | 83 | 79 | 83 | 87 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 87 | 87 | 87 | 85.3 | 91 | 79 | 12 |
| 17 | 86 | 82 | 71 | 70 | 80 | 89 | 90 | 89 | 85 | 81 | 81 | 83 | 83 | 85 | 84 | 84 | 85 | 84 | 85 | 84 | 84 | 84 | 84 | 87 | 83.3 | 91 | 67 | 24 |
| 18 | 83 | 73 | 74 | 77 | 86 | 88 | 90 | 88 | 84 | 83 | 83 | 83 | 83 | 83 | 83 | 84 | 84 | 84 | 84 | 85 | 85 | 84 | 85 | 87 | 83.4 | 90 | 72 | 18 |
| 19 d | 83 | 75 | 68 | 66 | 68 | 75 | 81 | 78 | 80 | 81 | 81 | 82 | 83 | 80 | 78 | 80 | 86 | 86 | 85 | 87 | 88 | 87 | 87 | 85 | 80.4 | 88 | 65 | 23 |
| 20 | 85 | 83 | 80 | 79 | 79 | 74 | 79 | 82 | 83 | 83 | 84 | 86 | 85 | 86 | 86 | 87 | 87 | 88 | 88 | 87 | 87 | 87 | 87 | 90 | 84.2 | 91 | 73 | 18 |
| 21 c | 87 | 82 | 73 | 72 | 72 | 77 | 81 | 84 | 84 | 82 | 82 | 82 | 83 | 82 | 82 | 83 | 83 | 83 | 84 | 84 | 84 | 84 | 84 | 85 | 81.6 | 86 | 71 | 15 |
| 22 d | 84 | 78 | 70 | 66 | 68 | 78 | 84 | 85 | 80 | 79 | 80 | 82 | 83 | 84 | 85 | 85 | 85 | 83 | 84 | 82 | 81 | 81 | 84 | 84 | 80.6 | 86 | 66 | 20 |
| 23 | 84 | 76 | 71 | 74 | 82 | 86 | 88 | 90 | 88 | 84 | 86 | 86 | 86 | 86 | 85 | 86 | 86 | 85 | 86 | 86 | 87 | 84 | 85 | 88 | 84.4 | 91 | 71 | 20 |
| 24 | 85 | 75 | 71 | 69 | 70 | 77 | 84 | 87 | 86 | 84 | 84 | 83 | 84 | 85 | 85 | 85 | 85 | 84 | 83 | 83 | 83 | 83 | 85 | 85 | 81.9 | 90 | 69 | 21 |
| 25 | 85 | 77 | 67 | 70 | 74 | 76 | 80 | (81) | 81 | 81 | 82 | 83 | 84 | 84 | 87 | 86 | 82 | 84 | 83 | 84 | 84 | 84 | 83 | 87 | 81.2 | 88 | 67 | 21 |
| 26 | 85 | 78 | 78 | 73 | 75 | 73 | 79 | 83 | 84 | 83 | 84 | 84 | 84 | (82) | 85 | 85 | 85 | 82 | 83 | 85 | 83 | 83 | 82 | (85) | 81.8 | 85 | 73 | 12 |
| 27 d | 84 | 81 | 79 | 76 | 74 | 75 | 75 | 80 | 82 | 81 | 80 | 84 | 82 | 86 | 84 | 87 | 84 | 84 | 86 | 81 | 80 | 79 | 80 | 83 | 81.1 | 87 | 73 | 14 |
| 28 d | 82 | 80 | 80 | 77 | 81 | 79 | 77 | 79 | 81 | 78 | 83 | 82 | 85 | 86 | 87 | 81 | 85 | 83 | 83 | 84 | 82 | 81 | 82 | 83 | 81.7 | 87 | 76 | 11 |
| 29 | 79 | 80 | 72 | 72 | 75 | 78 | 80 | 83 | 81 | 81 | 81 | 81 | 82 | 84 | 82 | 83 | 85 | 84 | 85 | 85 | 85 | 85 | 85 | 85 | 81.4 | 86 | 71 | 15 |
| 30 | 82 | 76 | 72 | 72 | 77 | 82 | 80 | 82 | 81 | 81 | 84 | 84 | 85 | 84 | 85 | 85 | 87 | 84 | 85 | 85 | 85 | 83 | 84 | 85 | 82.1 | 87 | 71 | 16 |
| 31 | 78 | 70 | 63 | 63 | 66 | 74 | 83 | 86 | 84 | 82 | 82 | 83 | 82 | 82 | 84 | 83 | 84 | 86 | 84 | 84 | 84 | 85 | 85 | 89 | 80.2 | 89 | 63 | 26 |
| mean | 85.8 | 80.0 | 75.2 | 73.7 | 76.3 | 79.5 | 82.5 | 84.9 | 84.3 | 82.7 | 83.6 | 84.1 | 84.4 | 85.3 | 85.8 | 85.9 | 85.8 | 85.8 | 86.0 | 85.9 | 85.7 | 85.3 | 85.6 | 87.2 | 83.4 | — | — | — |
| 〃 c | 88.4<br>87.4 | 84.0<br>82.0 | 77.0 | 73.2 | 73.8 | 77.4 | 82.0 | 86.6 | 86.8 | 85.0 | 84.8 | 85.0 | 85.6 | 85.6 | 85.8 | 86.4 | 86.2 | 86.0 | 86.6 | 86.4 | 86.2 | 86.2 | 86.2 | 88.8<br>87.2 | 83.7 | — | — | — |
| 〃 d | 83.4<br>83.6 | 78.6<br>80.4 | 74.8 | 73.0 | 74.4 | 78.2 | 80.4 | 81.4 | 81.4 | 80.6 | 81.8 | 82.8 | 83.6 | 84.4 | 84.4 | 84.4 | 85.0 | 84.6 | 85.2 | 84.8 | 84.0 | 83.2 | 83.8 | 84.8<br>84.6 | 81.8 | — | — | — |

Table 35. Vertical Intensity 33900γ+.....γ Feburuary 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 85 | 77 | 71 | 71 | 73 | 75 | 75 | 79 | 81 | 81 | 82 | 82 | 84 | 83 | 83 | 83 | 83 | 83 | 83 | 84 | 84 | 84 | 85 | 87 | 80.8 | 87 | 63 | 18 |
| 2 | 75 | 63 | 59 | 59 | 63 | 69 | 75 | 81 | 82 | 77 | 79 | 83 | 82 | 84 | 83 | 82 | 85 | 82 | 81 | 83 | 83 | 83 | 85 | 89 | 77.8 | 89 | 59 | 30 |
| 3 | 85 | 83 | 75 | 70 | 72 | 78 | 80 | 81 | 81 | 81 | 81 | 81 | 80 | 81 | 81 | 81 | 83 | 83 | 82 | 83 | 83 | 83 | 83 | 86 | 80.7 | 87 | 70 | 17 |
| 4 | 83 | 68 | 59 | 58 | 60 | 61 | 68 | 74 | 80 | 79 | 77 | 80 | — | — | — | — | — | — | — | — | — | — | — | — | — | 83 | 57 | 26 |
| 5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 c | — | — | — | 73 | 76 | 74 | 73 | 77 | 81 | 81 | 81 | 81 | 83 | 84 | 84 | 84 | 85 | 85 | 85 | 85 | 85 | 86 | 86 | 88 | — | — | — | — |
| 7 | 82 | 79 | 77 | 78 | 78 | 81 | 81 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 9 | 86 | 81 | 75 | 72 | 74 | 78 | 79 | 81 | 82 | 83 | 84 | 85 | 86 | 83 | 86 | 84 | 87 | 88 | 88 | 86 | 85 | 87 | 86 | 89 | 83.1 | 89 | 71 | 18 |
| 10 | 85 | 81 | 78 | 78 | 81 | 85 | 87 | 87 | 85 | 83 | 85 | 85 | 85 | 86 | 86 | 85 | 86 | 86 | 86 | 85 | 84 | 85 | 86 | 88 | 84.5 | 88 | 78 | 10 |
| 11 c | 83 | (77) | 71 | 68 | 76 | 84 | 85 | 85 | 85 | 83 | 83 | 83 | 84 | 84 | 85 | 85 | 84 | 84 | 84 | 84 | 85 | 86 | 86 | 88 | 82.6 | 89 | 66 | 23 |
| 12 | 77 | 63 | — | — | — | — | — | — | — | — | — | 79 | 81 | — | — | — | 83 | 84 | — | — | — | — | 85 | 85 | — | — | — | — |
| 13 c | 78 | 68 | 66 | — | — | 78 | 84 | 85 | 83 | 81 | 81 | 82 | 84 | 84 | 84 | 85 | 85 | 85 | 86 | (87) | — | — | — | — | — | 87 | 65 | 22 |
| 14 | — | — | — | 66 | 72 | 77 | 83 | 87 | 86 | 82 | 82 | 81 | 81 | 84 | 85 | 87 | 87 | 87 | 87 | 86 | 85 | 84 | 84 | 86 | — | 87 | 66 | 21 |
| 15 | 82 | 75 | 72 | 74 | 75 | 78 | 84 | 85 | 83 | 78 | 82 | 84 | 82 | 85 | 85 | 86 | 89 | 86 | 82 | 84 | 84 | 84 | 85 | 82 | 81.9 | 89 | 72 | 17 |
| 16 c | 81 | 76 | 73 | 73 | 75 | 77 | 81 | 80 | 83 | 80 | 84 | 85 | 87 | 86 | 87 | 87 | 87 | 87 | 87 | 88 | 88 | 89 | 88 | 89 | 83.3 | 90 | 72 | 18 |
| 17 c | 88 | 83 | 75 | 69 | 77 | 81 | 84 | 85 | 85 | (85) | 85 | (85) | 85 | 85 | 85 | 85 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 83.7 | 87 | 69 | 18 |
| 18 | 82 | 74 | 65 | 63 | 66 | 74 | 76 | 80 | 81 | 82 | 83 | 83 | 82 | 83 | 83 | 84 | 84 | 84 | 83 | 83 | 82 | 84 | 84 | 82 | 79.5 | 84 | 63 | 21 |
| 19 d | 77 | 73 | 67 | 67 | 72 | 77 | 81 | 81 | 81 | 83 | 84 | 79 | 76 | 78 | 80 | 91 | 88 | 88 | 88 | 88 | 88 | 84 | 87 | 89 | 81.1 | 90 | 65 | 25 |
| 20 | 85 | 83 | 82 | 84 | 84 | 83 | 82 | 82 | 85 | 86 | 85 | 88 | 89 | 91 | 88 | 89 | 89 | 89 | 89 | 89 | 88 | 88 | 87 | 86 | 86.9 | 91 | 81 | 10 |
| 21 d | 82 | 81 | 76 | 69 | 65 | 74 | 82 | 86 | 86 | 86 | 87 | 88 | 87 | 91 | 88 | 92 | 88 | 87 | 86 | 90 | 89 | 89 | 85 | 88 | 84.3 | 92 | 65 | 27 |
| 22 d | 82 | 82 | 79 | 74 | 77 | 79 | 81 | 85 | 88 | 88 | 88 | 89 | 89 | 91 | 91 | 92 | 88 | 86 | 88 | 88 | 86 | 84 | 84 | 85 | 85.2 | 92 | 74 | 18 |
| 23 d | 83 | 85 | 80 | 73 | 76 | 80 | 82 | 79 | 80 | 86 | 87 | 89 | 89 | 89 | 92 | 89 | 89 | 89 | 86 | 86 | 86 | 86 | 84 | 86 | 84.6 | 94 | 72 | 22 |
| 24 d | 87 | 84 | 84 | 81 | 79 | 82 | 84 | 84 | 84 | 85 | 89 | 86 | 90 | 88 | 89 | 90 | 92 | 93 | 93 | 88 | 84 | 87 | 83 | 87 | 86.4 | 94 | 78 | 16 |
| 25 | 87 | 84 | 80 | 75 | 74 | 81 | 82 | 81 | 84 | 84 | 88 | 87 | 85 | 90 | 89 | 91 | 90 | 90 | 89 | 89 | 86 | 85 | 85 | 85 | 85.0 | 91 | 74 | 17 |
| 26 | 82 | 78 | — | — | — | — | 84 | 84 | 86 | 86 | 86 | 86 | 85 | 87 | 90 | 88 | 88 | 88 | 88 | 88 | 87 | 87 | 88 | 84 | — | — | — | — |
| 27 | 78 | 73 | 64 | 57 | 65 | 74 | 80 | 80 | 84 | 82 | 82 | 83 | 84 | 84 | 86 | 86 | 87 | 87 | 86 | 85 | 85 | 85 | 84 | 81 | 80.1 | 87 | 57 | 30 |
| 28 | 78 | 75 | 71 | 69 | 72 | 78 | 84 | 86 | 87 | 85 | 86 | 87 | 87 | 87 | 87 | 88 | 88 | 88 | 87 | 88 | 87 | 87 | 88 | 83 | 83.7 | 90 | 68 | 22 |
| 29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 82.7 | 78.4 | 73.5 | 70.8 | 73.5 | 78.3 | 81.3 | 82.5 | 83.5 | 83.0 | 84.4 | 84.8 | 84.9 | 85.7 | 86.0 | 86.9 | 87.0 | 86.6 | 86.0 | 86.2 | 85.4 | 85.6 | 85.3 | 86.5 | 82.9 | — | — | — |
| 〃 c | 84.0<br>82.3 | 78.7<br>73.3 | 73.0 | 70.0 | 76.0 | 80.7 | 83.3 | 83.3 | 84.3 | 82.7 | 84.0 | 84.3 | 85.3 | 85.0 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.0 | 86.3 | 87.0 | 86.7 | 86.3<br>87.7 | 83.2 | — | — | — |
| 〃 d | 82.2<br>84.8 | 81.0<br>83.6 | 77.2 | 72.8 | 73.8 | 78.4 | 82.0 | 83.0 | 83.8 | 85.6 | 87.0 | 86.2 | 86.2 | 87.4 | 88.0 | 90.8 | 89.0 | 88.6 | 88.2 | 88.0 | 86.6 | 86.0 | 84.6 | 85.6<br>87.0 | 84.3 | — | — | — |

Table 36. Vertical Intensity 33900γ+.....γ - March 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 83 | 74 | 62 | 59 | 63 | 72 | 80 | 85 | 87 | 86 | 85 | 86 | 86 | 86 | 87 | 85 | 86 | 86 | 86 | 86 | 86 | 86 | 87 | 88 | 81.5 | 89 | 59 | 30 |
| 2 | 81 | 77 | 70 | 62 | 65 | 73 | 79 | 84 | 86 | 84 | 83 | 83 | 84 | 86 | 86 | 86 | 86 | 85 | 85 | 86 | 85 | 85 | 85 | 86 | 81.3 | 87 | 62 | 25 |
| 3 | 80 | 75 | 67 | 62 | 63 | 71 | 77 | 81 | 84 | 84 | 83 | 83 | 84 | 84 | 84 | 86 | 86 | 85 | 86 | 85 | 86 | 86 | 83 | 84 | 80.4 | 86 | 62 | 24 |
| 4 | 82 | 84 | (76) | 68 | 68 | 76 | 82 | 84 | 87 | 83 | 81 | 83 | 83 | 84 | 84 | 86 | 85 | 84 | 85 | 84 | 84 | 84 | 84 | 88 | 82.1 | 89 | 66 | 23 |
| 5 c | 87 | 83 | 72 | 62 | 64 | 70 | 79 | 87 | 88 | 84 | 84 | 84 | 84 | 85 | 86 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 86 | 86 | 81.9 | 88 | 61 | 27 |
| 6 c | 80 | 71 | (65) | 60 | 63 | 69 | 78 | 81 | 84 | 83 | 82 | 83 | 83 | 83 | 83 | 87 | 84 | 84 | 85 | 84 | 85 | 85 | 86 | 87 | 79.7 | 87 | 60 | 27 |
| 7 c | 83 | 78 | 73 | 67 | 66 | 71 | 75 | 80 | 84 | 83 | 82 | 83 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 85 | 84 | 84 | 86 | 88 | 80.8 | 88 | 65 | 23 |
| 8 | 84 | 78 | 65 | 56 | 57 | 62 | 70 | 76 | 81 | 82 | 81 | 83 | 82 | 80 | 83 | 83 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 86 | 78.2 | 87 | 54 | 33 |
| 9 c | 85 | 79 | 70 | 62 | 62 | 66 | 71 | 78 | 83 | 84 | 83 | 84 | 84 | 85 | 86 | 86 | 86 | 86 | 86 | 86 | 85 | 84 | 86 | 88 | 80.6 | 89 | 61 | 28 |
| 10 | 85 | 80 | 67 | 57 | 57 | 65 | 77 | 84 | 87 | 84 | 83 | 84 | 84 | 84 | 85 | 85 | 85 | 85 | 84 | 85 | 84 | 86 | 87 | 88 | 80.5 | 88 | 56 | 32 |
| 11 | 83 | 71 | 62 | 61 | 66 | 74 | 77 | 80 | 82 | 82 | 81 | 83 | 83 | 83 | 88 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 89 | 92 | 81.1 | 93 | 60 | 33 |
| 12 | 89 | 83 | 75 | 69 | 71 | 77 | 82 | 86 | 83 | 82 | 82 | 83 | 83 | 84 | 85 | 87 | 86 | 87 | 86 | 85 | 83 | 83 | 85 | 87 | 82.6 | 88 | 68 | 20 |
| 13 | 85 | 82 | 72 | 68 | 69 | 73 | 80 | 81 | 80 | 80 | 80 | 82 | 81 | 83 | 86 | 85 | 83 | 84 | 86 | 87 | 88 | 88 | 90 | 88 | 81.7 | 90 | 67 | 23 |
| 14 | 81 | 73 | 65 | 61 | 62 | 66 | 73 | 81 | 82 | 84 | 84 | 85 | 85 | 87 | 87 | 87 | 87 | 87 | 85 | 86 | 86 | 86 | 86 | 87 | 80.5 | 88 | 60 | 28 |
| 15 | 86 | 83 | 72 | 68 | 72 | 77 | 83 | 86 | (87) | 86 | 84 | 83 | 83 | 81 | 86 | 87 | 87 | 87 | 87 | 87 | 86 | 86 | 87 | 87 | 83.2 | 88 | 68 | 20 |
| 16 c | 84 | 79 | 70 | 65 | 64 | 70 | 75 | 81 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 85 | 85 | 85 | 85 | 87 | 90 | 81.1 | 91 | 64 | 27 |
| 17 | 91 | 86 | 75 | 66 | 69 | 74 | 80 | 83 | 85 | 84 | 82 | 82 | 82 | 84 | 84 | 84 | 86 | 87 | 86 | 87 | 86 | 85 | 87 | 87 | 82.6 | 91 | 66 | 25 |
| 18 d | 86 | 77 | 57 | 50 | 55 | 65 | 74 | 84 | 87 | 84 | 85 | 85 | 87 | 89 | 88 | 87 | 94 | 88 | 87 | 90 | 87 | 87 | 87 | 87 | 81.1 | 94 | 49 | 45 |
| 19 d | 81 | 80 | 70 | 65 | 61 | 66 | 73 | 81 | 85 | 86 | 84 | 86 | 88 | 87 | 88 | 90 | 90 | 92 | 91 | 84 | 87 | 84 | 85 | 88 | 82.2 | 93 | 61 | 32 |
| 20 d | 88 | 82 | 66 | 62 | 74 | 82 | 88 | 92 | 92 | 89 | 86 | 89 | 92 | 93 | 93 | 92 | 92 | 95 | 93 | 86 | 85 | 86 | 88 | 84 | 86.2 | 95 | 62 | 33 |
| 21 | 88 | 78 | 66 | 62 | 60 | 65 | 79 | 85 | 90 | 89 | 91 | 87 | 88 | 92 | 92 | 92 | 90 | 91 | 87 | 87 | 88 | 89 | 87 | 92 | 84.0 | 93 | 59 | 34 |
| 22 | 87 | 77 | (75) | 71 | 74 | 78 | 77 | 80 | 89 | 90 | 91 | 92 | 92 | 89 | 92 | 92 | 90 | 92 | 91 | 92 | 90 | 88 | 91 | 95 | 86.5 | 95 | 71 | 24 |
| 23 d | 92 | 80 | 72 | 69 | 72 | 74 | 83 | 92 | 91 | 89 | 89 | 89 | 89 | 94 | 90 | 91 | 91 | 91 | 89 | 87 | 87 | 86 | 90 | 90 | 86.1 | 95 | 68 | 27 |
| 24 d | 90 | 81 | 69 | 62 | 65 | 76 | 77 | 86 | 90 | 89 | 88 | 92 | 89 | 93 | 91 | 92 | 92 | 92 | 92 | 88 | 87 | 88 | 85 | 89 | 85.1 | 94 | 61 | 33 |
| 25 | 86 | 82 | 73 | 68 | 68 | 75 | 82 | 84 | 89 | 96 | 89 | 93 | 91 | 92 | 94 | 91 | 91 | 91 | 90 | 90 | 90 | 90 | 89 | 91 | 86.5 | 96 | 66 | 30 |
| 26 | 89 | 80 | 70 | 68 | 72 | 75 | 80 | 83 | 84 | 84 | 86 | 90 | 90 | 90 | 91 | 92 | 93 | 92 | 91 | 91 | 90 | 91 | 92 | 95 | 85.8 | 95 | 67 | 28 |
| 27 | 92 | 80 | 67 | 62 | 62 | 64 | 67 | 72 | 80 | 82 | 84 | 85 | 90 | 87 | 87 | 94 | 92 | 93 | 92 | 89 | 88 | 87 | 91 | 95 | 82.6 | 96 | 61 | 35 |
| 28 | 93 | 87 | 79 | 75 | 73 | 86 | 96 | 97 | 94 | 90 | 88 | 88 | 89 | 91 | 89 | 90 | 90 | 90 | 90 | 89 | 88 | 90 | 91 | 88 | 88.4 | 97 | 72 | 25 |
| 29 | 86 | 78 | 62 | 52 | 61 | 72 | 83 | 89 | 89 | 85 | 86 | 85 | 87 | 91 | 90 | 92 | 92 | 91 | 91 | 91 | 91 | 91 | 94 | 92 | 84.2 | 94 | 52 | 42 |
| 30 | 90 | 80 | 70 | 70 | 72 | 80 | 82 | 84 | 86 | 89 | 90 | 89 | 88 | 89 | 90 | 92 | 89 | 88 | 89 | 89 | 89 | 88 | 90 | 92 | 85.6 | 93 | 70 | 23 |
| 31 | 91 | 82 | 72 | 68 | 69 | 73 | 77 | 84 | 86 | 89 | 86 | 86 | 89 | 91 | 91 | 90 | 90 | 90 | 90 | 92 | 90 | 90 | 94 | 96 | 85.7 | 96 | 66 | 30 |
| mean | 86.0 | 79.3 | 69.1 | 63.7 | 65.7 | 72.1 | 78.6 | 83.6 | 86.0 | 85.5 | 84.8 | 85.6 | 86.1 | 86.9 | 87.5 | 88.1 | 88.0 | 88.0 | 87.6 | 87.0 | 86.6 | 86.5 | 87.7 | 89.0 | 82.9 | — | — | — |
| 〃 c | 83.8<br>84.6 | 78.0<br>78.6 | 69.6 | 63.2 | 63.8 | 69.2 | 75.6 | 81.4 | 84.6 | 83.6 | 83.0 | 83.6 | 83.8 | 84.2 | 84.6 | 85.2 | 84.6 | 84.6 | 85.0 | 85.0 | 84.8 | 84.6 | 86.2 | 86.8<br>87.8 | 80.8 | — | — | — |
| 〃 d | 87.4<br>86.6 | 80.0<br>80.6 | 66.8 | 61.6 | 65.4 | 72.6 | 79.0 | 87.0 | 89.0 | 87.4 | 86.4 | 88.2 | 89.0 | 91.2 | 90.0 | 90.4 | 91.8 | 91.6 | 90.4 | 87.0 | 86.6 | 86.2 | 87.0 | 89.4<br>87.6 | 84.2 | — | — | — |

(Fig.)

Table 37. Vertical Intensity 33900γ+.....γ April 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 96 | 90 | 78 | 69 | 71 | 77 | 85 | 90 | 91 | 91 | 89 | 87 | 90 | 91 | 91 | 91 | 91 | 92 | 91 | 90 | 89 | 90 | 94 | 95 | 87.9 | 95 | 68 | 27 |
| 2 | 91 | 81 | 71 | 65 | 68 | 76 | 81 | 85 | 89 | 88 | 87 | 89 | 90 | 89 | 90 | 90 | 91 | 91 | 92 | 90 | 91 | 90 | 92 | 96 | 86.0 | 96 | 65 | 31 |
| 3 | 93 | 84 | 78 | 76 | 76 | 79 | 88 | 91 | 91 | 91 | 86 | 85 | 93 | 91 | 94 | 95 | 93 | 93 | 93 | 93 | 93 | 93 | 94 | 93 | 89.0 | 95 | 75 | 20 |
| 4 | 90 | 82 | 70 | 69 | 80 | 85 | 90 | 90 | 90 | 92 | 91 | 90 | 91 | 91 | 91 | 91 | 92 | 91 | 91 | 90 | 90 | 90 | 90 | 90 | 87.8 | 93 | 67 | 26 |
| 5 | 81 | 71 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6 | — | — | — | 75 | 80 | 85 | 86 | 89 | 89 | 89 | 90 | 90 | 92 | 93 | 93 | 94 | 94 | 93 | 92 | 92 | 92 | 92 | 93 | 98 | — | 98 | 75 | 23 |
| 7 | 93 | 82 | 71 | 67 | 68 | 74 | 82 | 88 | 90 | 89 | 87 | 87 | 89 | 90 | 93 | 90 | 94 | 93 | 93 | 90 | 90 | 92 | 90 | 89 | 86.3 | 97 | 66 | 31 |
| 8 | 86 | 76 | 69 | 72 | 74 | 81 | 88 | 90 | 90 | 93 | 90 | 90 | 92 | 92 | 92 | 93 | 93 | 92 | 93 | 93 | 92 | 93 | 96 | 99 | 88.3 | 100 | 67 | 33 |
| 9 | 94 | 82 | 69 | 71 | 76 | 79 | 84 | 87 | 87 | 88 | 90 | 90 | 91 | 93 | 93 | 93 | 96 | 94 | 93 | 93 | 93 | 93 | 96 | 98 | 88.5 | 98 | 69 | 29 |
| 10 | 92 | 81 | 74 | 74 | 78 | 84 | 87 | 90 | 92 | 92 | 90 | 90 | 90 | 90 | 91 | 96 | 92 | 91 | 90 | 90 | 90 | 93 | 97 | 98 | 88.8 | 98 | 73 | 25 |
| 11 c | 92 | 79 | 71 | 71 | 78 | 84 | 89 | 92 | 90 | 90 | 89 | 90 | 89 | 89 | 90 | 90 | 91 | 92 | 91 | 90 | 90 | 92 | 95 | 96 | 87.9 | 96 | 69 | 27 |
| 12 c | 94 | 87 | 75 | 71 | 78 | 84 | 89 | 92 | 91 | 89 | 86 | 88 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 93 | 95 | 87.9 | 95 | 70 | 25 |
| 13 c | 90 | 81 | 72 | 74 | 84 | 90 | 93 | (93) | 93 | 88 | 87 | 88 | 89 | 89 | (89) | (89) | (89) | (90) | (90) | (90) | (89) | (92) | (94) | (94) | 88.2 | — | — | — |
| 14 | 89 | 77 | 66 | 67 | 72 | 80 | 83 | 83 | 86 | 88 | 86 | 86 | 86 | 86 | 86 | 90 | 90 | 92 | 89 | 88 | 90 | 90 | 92 | 91 | 84.7 | 92 | 65 | 27 |
| 15 d | 87 | 78 | 71 | 69 | 71 | 80 | 83 | 87 | 91 | 92 | 88 | 89 | 87 | 89 | 89 | 90 | 93 | 92 | 90 | 89 | 91 | 90 | 90 | 90 | 86.1 | 93 | 68 | 25 |
| 16 d | 85 | 76 | 72 | 74 | 80 | 82 | 90 | 95 | 95 | 92 | 89 | 92 | 92 | 92 | 95 | 93 | 92 | 92 | 90 | 92 | 93 | 90 | 91 | 89 | 88.5 | 95 | 72 | 23 |
| 17 d | 78 | 74 | 72 | 76 | 81 | 86 | 90 | 89 | 94 | 93 | 92 | 89 | 91 | 93 | 92 | 93 | 101 | 100 | 92 | 92 | 92 | 92 | 91 | 90 | 88.9 | 102 | 71 | 31 |
| 18 | 86 | 75 | 68 | 71 | 77 | 78 | 81 | 86 | 83 | 89 | 89 | 92 | 92 | 92 | 95 | 92 | 95 | 95 | 92 | 90 | 92 | 89 | 91 | 94 | 86.6 | 95 | 68 | 27 |
| 19 d | 91 | 79 | 74 | 74 | 77 | 84 | 88 | 87 | 90 | 93 | 93 | 95 | 93 | 101 | 93 | 95 | 98 | 95 | 95 | 92 | 92 | 92 | 95 | 92 | 89.9 | 101 | 71 | 30 |
| 20 | 89 | 77 | 73 | 77 | 79 | 74 | 75 | 80 | 87 | 92 | 92 | 93 | 95 | 94 | 96 | 95 | 92 | 92 | 92 | 94 | 93 | 92 | 95 | 96 | 88.1 | 96 | 72 | 24 |
| 21 | 90 | 84 | 77 | 86 | 91 | 93 | 92 | 89 | 88 | 89 | 93 | 92 | 91 | 90 | 92 | 93 | 94 | 94 | 93 | 94 | 92 | 92 | 92 | 87 | 90.3 | 94 | 77 | 17 |
| 22 | 84 | 77 | 74 | 71 | 72 | 76 | 81 | 84 | 89 | 92 | 89 | 95 | 92 | 97 | 95 | 95 | 97 | 95 | 94 | 92 | 92 | 92 | 98 | 98 | 88.4 | 98 | 71 | 27 |
| 23 | 92 | 84 | 77 | 76 | 73 | 74 | 73 | 81 | 90 | 92 | 91 | 92 | 92 | 94 | 95 | 93 | 92 | 93 | 92 | 92 | 91 | 92 | 92 | 92 | 87.7 | 95 | 73 | 22 |
| 24 | 93 | 87 | 84 | 84 | 88 | 89 | 89 | 91 | 91 | 92 | 91 | 92 | 92 | 92 | 92 | 92 | 95 | 92 | 90 | 91 | 92 | 92 | 95 | 92 | 90.8 | 95 | 83 | 12 |
| 25 | 86 | 76 | 68 | 67 | 68 | 74 | 83 | 89 | 89 | 90 | 90 | 89 | 91 | 92 | 92 | 92 | 92 | 94 | 92 | 90 | 92 | 93 | 92 | 90 | 86.3 | 94 | 67 | 27 |
| 26 | 84 | 78 | 76 | 78 | 82 | 86 | 89 | 88 | 86 | 89 | — | — | — | — | 90 | 95 | 93 | 92 | 91 | — | — | 94 | 95 | 95 | — | — | — | — |
| 27 | 86 | 83 | 78 | 79 | 80 | 84 | 91 | 93 | 92 | 92 | 91 | 92 | 92 | 93 | 92 | 92 | 93 | 93 | 94 | 95 | 95 | 95 | 94 | 93 | 90.1 | 96 | 78 | 18 |
| 28 c | 88 | 81 | 77 | 77 | 80 | 85 | 88 | 89 | 91 | 91 | 89 | 89 | 91 | 92 | 92 | 91 | 92 | 91 | 92 | 92 | 91 | 93 | 95 | 92 | 88.7 | 95 | 75 | 20 |
| 29 c | 89 | 82 | 77 | 73 | 79 | 81 | 86 | 89 | 89 | 88 | 88 | 91 | 92 | 92 | 92 | 92 | 91 | 92 | 92 | 92 | 91 | 92 | 93 | 92 | 88.1 | 93 | 72 | 21 |
| 30 d | 84 | 79 | 77 | 78 | 83 | 86 | 91 | 91 | 89 | 89 | 89 | 89 | 92 | 92 | 91 | 91 | 92 | 99 | 98 | 90 | 87 | 92 | 95 | 89 | 88.9 | 101 | 76 | 25 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 89.2 | 80.5 | 73.4 | 73.3 | 77.1 | 81.3 | 85.9 | 88.6 | 89.9 | 90.6 | 89.3 | 90.0 | 90.9 | 91.7 | 92.0 | 92.1 | 93.0 | 93.0 | 92.0 | 91.3 | 91.2 | 91.7 | 93.4 | 93.0 | 88.1 | — | — | — |
| 〃 c | 90.6<br>89.2 | 82.0<br>81.2 | 74.4 | 73.2 | 79.8 | 84.8 | 89.0 | 91.0 | 90.8 | 89.2 | 87.8 | 89.2 | 90.0 | 90.2 | 90.6 | 90.4 | 90.6 | 91.0 | 91.0 | 90.8 | 90.2 | 91.8 | 94.0 | 94.8<br>93.8 | 88.2 | — | — | — |
| 〃 d | 85.0<br>83.0 | 77.2<br>74.0 | 73.2 | 74.2 | 78.4 | 83.6 | 88.4 | 89.8 | 91.8 | 91.8 | 90.2 | 90.8 | 91.0 | 93.4 | 92.0 | 92.4 | 95.2 | 95.6 | 93.0 | 91.0 | 91.0 | 91.2 | 92.4 | 91.2<br>90.0 | 88.5 | — | — | — |

Table 38. Vertical Intensity 33900γ+.....γ May 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 77 | 68 | 70 | 74 | 75 | 82 | 89 | 88 | 91 | 90 | 92 | 93 | 95 | 100 | 90 | 90 | 98 | 95 | 93 | 95 | 97 | 92 | 93 | 86 | 88.1 | 106 | 67 | 39 |
| 2 | 78 | 63 | 73 | 79 | 84 | 92 | 93 | 94 | 95 | 95 | 98 | 97 | 96 | 97 | 98 | 98 | 98 | 99 | 98 | 97 | 96 | 95 | 96 | 98 | 92.0 | 99 | 62 | 36 |
| 3 | 98 | 90 | 84 | 84 | 84 | 86 | 92 | 92 | 96 | 96 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 95 | 96 | 95 | 98 | 100 | 94 | 93.5 | 100 | 83 | 17 |
| 4 | 86 | 81 | 78 | 78 | 78 | 83 | 92 | 93 | 90 | 92 | 90 | 92 | 95 | 96 | 95 | 95 | 96 | 95 | 97 | 97 | 95 | 98 | 94 | 89 | 90.6 | 98 | 77 | 21 |
| 5 | 83 | 82 | 83 | 88 | 89 | 90 | 86 | 89 | 92 | 92 | 92 | 93 | 96 | 96 | 99 | 99 | 99 | 99 | 99 | 96 | 96 | 97 | 99 | 100 | 93.1 | — | — | — |
| 6 | 98 | 93 | 90 | (82) | (85) | (88) | 89 | 88 | 92 | 95 | 93 | 94 | 99 | 97 | 100 | 97 | 98 | 99 | 100 | 98 | 98 | 101 | 99 | 97 | 94.6 | 103 | 87 | 16 |
| 7 | 88 | 85 | 88 | 91 | 91 | 91 | 87 | 88 | 94 | 97 | 98 | 98 | 98 | 98 | 98 | 99 | 98 | 98 | 98 | 98 | 99 | 101 | 102 | 99 | 95.1 | 102 | 83 | 19 |
| 8 | 93 | 86 | 82 | 82 | 86 | 87 | 90 | 93 | 95 | 93 | 93 | 93 | 95 | 96 | 97 | 96 | 98 | 98 | 99 | 98 | 98 | 100 | 102 | 95 | 93.5 | 102 | 81 | 21 |
| 9 c | 87 | 83 | 81 | 84 | 90 | 92 | 89 | 90 | 92 | 92 | 93 | 95 | 96 | 95 | 97 | 96 | 96 | 98 | 96 | 97 | 98 | 101 | 100 | 93 | 93.0 | 101 | 80 | 21 |
| 10 c | 81 | 71 | 69 | 77 | 86 | 92 | 91 | 92 | 90 | 92 | 94 | 95 | 96 | 96 | 89 | 96 | 95 | 95 | 96 | 96 | 98 | 99 | 99 | 94 | 90.8 | 100 | 69 | 31 |
| 11 | 83 | 80 | 75 | 80 | 84 | 87 | 87 | 92 | 95 | 93 | 94 | 95 | 96 | 95 | 96 | 98 | 96 | 95 | 96 | 95 | 96 | 99 | 99 | 98 | 91.8 | 99 | 74 | 25 |
| 12 c | 92 | 87 | 77 | 77 | 79 | 86 | 87 | 88 | 89 | 92 | 94 | 93 | 93 | 91 | 92 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 97 | 94 | 90.3 | 97 | 75 | 22 |
| 13 | 85 | 81 | 74 | 67 | 65 | 70 | 79 | 85 | 88 | 88 | 90 | 90 | 93 | 95 | 97 | 96 | 96 | 97 | 97 | 94 | 94 | 96 | 98 | 93 | 87.8 | 99 | 65 | 34 |
| 14 | 87 | 83 | 81 | 85 | 82 | 86 | 93 | 96 | 93 | 92 | 90 | 91 | 95 | 95 | 97 | 96 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 95 | 92.4 | 99 | 80 | 19 |
| 15 | 95 | 91 | 88 | 91 | 90 | 93 | 103 | 104 | 101 | 100 | 97 | 97 | 100 | 101 | 101 | 101 | 101 | 101 | 100 | 100 | 100 | 99 | 98 | 100 | 98.0 | 106 | 87 | 19 |
| 16 | 96 | 95 | 92 | 93 | 92 | 96 | 99 | 99 | 100 | 98 | 95 | 95 | 97 | 101 | 99 | 99 | 99 | 99 | 100 | 98 | 99 | 100 | 101 | 101 | 97.6 | 102 | 91 | 11 |
| 17 | 96 | 92 | 86 | 87 | 89 | 92 | 97 | 98 | 95 | 98 | 98 | 96 | 98 | 98 | 98 | 101 | 99 | 100 | 100 | 99 | 97 | 98 | 98 | 91 | 95.9 | 101 | 85 | 16 |
| 18 d | 86 | 84 | 89 | 87 | 90 | 87 | 94 | 92 | 98 | 101 | 101 | 100 | 100 | 98 | 101 | 103 | 102 | 102 | 101 | 100 | 101 | 101 | 100 | 96 | 96.4 | 105 | 83 | 22 |
| 19 | 94 | 90 | 86 | 93 | 85 | 85 | 91 | 93 | 92 | 94 | 95 | 97 | 96 | 96 | 97 | 94 | 96 | 97 | 98 | 96 | 97 | 99 | 96 | 90 | 93.2 | 99 | 82 | 17 |
| 20 | 81 | 72 | 68 | 69 | 72 | 82 | 90 | 95 | 96 | 97 | 94 | 94 | 95 | 97 | 98 | 99 | 100 | 101 | 98 | 97 | 98 | 101 | 97 | 91 | 90.9 | 102 | 66 | 36 |
| 21 | 90 | 88 | 85 | 85 | 83 | 91 | 92 | 95 | 96 | 94 | 96 | 97 | 98 | 98 | 96 | 96 | 96 | 96 | 96 | 98 | 101 | 102 | 97 | 87 | 93.9 | 103 | 82 | 21 |
| 22 | 82 | 78 | 76 | 80 | 85 | 90 | 93 | 95 | 95 | 94 | 94 | 96 | 97 | 98 | 97 | 98 | 97 | 98 | 96 | 97 | 98 | 101 | 101 | 96 | 93.0 | 102 | 76 | 26 |
| 23 | 86 | 77 | 77 | 82 | 89 | 93 | 95 | 96 | 96 | 95 | 95 | 96 | 97 | 97 | 98 | 98 | 98 | 97 | 98 | 98 | 99 | 103 | 102 | 95 | 94.0 | 104 | 76 | 28 |
| 24 c | 87 | 82 | 86 | 86 | 87 | 92 | 96 | 99 | 99 | 96 | 96 | 97 | 96 | 97 | 99 | 100 | 100 | 102 | 100 | 100 | 100 | 102 | 98 | 85 | 95.1 | 102 | 81 | 21 |
| 25 | 73 | 60 | 61 | 70 | 76 | 79 | 87 | 93 | 96 | 96 | 96 | 98 | 97 | 96 | 96 | 97 | 98 | 99 | 100 | 99 | 101 | 99 | 96 | 89 | 89.6 | 102 | 59 | 43 |
| 26 c | 79 | 67 | 64 | 68 | 77 | 89 | 97 | 97 | 95 | 95 | 94 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 95 | 96 | 99 | 102 | 102 | 98 | 90.9 | 104 | 62 | 42 |
| 27 | 92 | 81 | 79 | 77 | 85 | 93 | 98 | 101 | 102 | 99 | 95 | 96 | 97 | 96 | 96 | 99 | 99 | 96 | 96 | 99 | 96 | 101 | 96 | 87 | 94.0 | 102 | 77 | 25 |
| 28 | 81 | 71 | 62 | 61 | 67 | 77 | 92 | 96 | 98 | 98 | 98 | 98 | 98 | 97 | 95 | 98 | 98 | 99 | 99 | 98 | 98 | 102 | 101 | 96 | 90.8 | 102 | 61 | 41 |
| 29 d | 89 | 87 | 89 | 89 | 94 | 95 | 95 | 99 | 100 | 100 | 98 | 95 | 97 | 97 | 95 | 97 | 96 | 95 | 98 | 98 | 97 | 101 | 96 | 94 | 95.5 | 102 | 86 | 16 |
| 30 d | 90 | 81 | 80 | 80 | 86 | 90 | 95 | 97 | 95 | 95 | 97 | 101 | 102 | 101 | 104 | 104 | 105 | 113 | 107 | 102 | 101 | 103 | 98 | 90 | 96.5 | 113 | 77 | 36 |
| 31 d | 84 | 86 | 81 | 81 | 80 | 83 | 89 | 95 | 98 | 99 | 99 | 96 | 101 | 101 | 101 | 102 | 102 | 102 | 102 | 101 | 102 | 104 | 100 | 92 | 95.0 | 105 | 80 | 25 |
| mean | 87.0 | 81.1 | 79.2 | 80.6 | 83.4 | 87.7 | 91.9 | 93.9 | 95.0 | 95.1 | 95.0 | 95.4 | 96.7 | 96.9 | 96.9 | 97.6 | 97.9 | 98.3 | 98.0 | 97.5 | 97.9 | 99.5 | 98.4 | 93.6 | 93.1 | — | — | — |
| 〃 c | 85.2<br>82.8 | 78.0<br>74.6 | 75.4 | 78.4 | 83.8 | 90.2 | 92.0 | 93.2 | 93.0 | 93.4 | 94.2 | 95.0 | 95.2 | 94.8 | 94.4 | 96.2 | 96.2 | 97.0 | 96.2 | 96.6 | 97.8 | 99.8 | 99.2 | 94.0<br>92.8 | 92.0 | — | — | — |
| 〃 d | 85.2<br>86.4 | 81.2<br>80.2 | 81.8 | 82.2 | 85.0 | 87.4 | 92.4 | 94.2 | 96.4 | 97.0 | 97.4 | 97.0 | 99.0 | 99.4 | 98.2 | 99.2 | 100.6 | 101.4 | 100.2 | 99.2 | 99.6 | 100.2 | 97.4 | 92.0<br>91.6 | 94.3 | — | — | — |

Table 39. Vertical Intensity 33900γ+.....γ June 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 d | 86 | 81 | 79 | 74 | 80 | 90 | 90 | 95 | 99 | 102 | 101 | 99 | 100 | 101 | 101 | 101 | 101 | 103 | 100 | 99 | 96 | 102 | 101 | 91 | 94.7 | 104 | 74 | 30 |
| 2 | 83 | 80 | 77 | 83 | 88 | 89 | 90 | 95 | 99 | 101 | 96 | 98 | 101 | 101 | 99 | 98 | 99 | 99 | 101 | 101 | 100 | 102 | 102 | 95 | 94.9 | 104 | 77 | 27 |
| 3 | 89 | 86 | 86 | 83 | 80 | 80 | 86 | 90 | 89 | 96 | 96 | 98 | 101 | 99 | 99 | 99 | 102 | 100 | 101 | 100 | 101 | 104 | 96 | 80 | 98.4 | 104 | 73 | 31 |
| 4 | 74 | 73 | 74 | 85 | 89 | 90 | 88 | 89 | 93 | 95 | 95 | 96 | 99 | 98 | 97 | 97 | 96 | 98 | 99 | 98 | 101 | 102 | 99 | 92 | 92.4 | 102 | 70 | 32 |
| 5 c | 91 | 83 | 81 | 89 | 94 | 98 | 101 | 101 | 100 | 100 | 96 | 95 | 99 | 98 | 97 | 98 | 98 | 99 | (102) | (102) | (104) | (107) | (104) | (96) | 97.2 | 102 | 81 | 21 |
| 6 c | (96) | (89) | 87 | 88 | 90 | 93 | 96 | 100 | 100 | 97 | 96 | 96 | 100 | 97 | 100 | 99 | 98 | 98 | 100 | 100 | 103 | 103 | 100 | 86 | 96.8 | 104 | 79 | 25 |
| 7 | 80 | 81 | 90 | 97 | 101 | 103 | 103 | 100 | 96 | 97 | 98 | 100 | 101 | 100 | 101 | 101 | 101 | 100 | 100 | 103 | 106 | 99 | 94 | 86 | 97.4 | 106 | 80 | 26 |
| 8 | 83 | — | — | — | — | — | — | — | 94 | 92 | 98 | 99 | 98 | 101 | 100 | 100 | 101 | 101 | 94 | 100 | 101 | 103 | 101 | 93 | — | — | — | — |
| 9 | 90 | 87 | 88 | 95 | 96 | 94 | 96 | 98 | 101 | 98 | 103 | 104 | 102 | 103 | 101 | 103 | 104 | 102 | 103 | 102 | 103 | 104 | 99 | 94 | 98.8 | 104 | 87 | 17 |
| 10 | 89 | 83 | 82 | 91 | 97 | 100 | 99 | 100 | 100 | 99 | 100 | 99 | 101 | 101 | 102 | 102 | 101 | 101 | 100 | 100 | 100 | 101 | 98 | 94 | 97.5 | 103 | 82 | 21 |
| 11 | 88 | 82 | 88 | 89 | 94 | 94 | 94 | 96 | 96 | 95 | 98 | 100 | 99 | 98 | 99 | 99 | 98 | 98 | 97 | 98 | 100 | 102 | 105 | 101 | 96.2 | 105 | 81 | 24 |
| 12 | 92 | 81 | 81 | 81 | 80 | 85 | 87 | 92 | 97 | 99 | 100 | 100 | 99 | 96 | 97 | 96 | 98 | 98 | 99 | 98 | 98 | 104 | 101 | 96 | 94.0 | 104 | 80 | 24 |
| 13 d | 90 | 81 | 71 | 65 | 68 | 86 | 99 | 98 | 96 | 98 | 99 | 101 | 101 | 104 | 101 | 103 | 101 | 101 | 100 | 99 | 101 | 99 | 98 | 92 | 93.8 | 104 | 64 | 40 |
| 14 d | 90 | 86 | 84 | 90 | 88 | 90 | 90 | 93 | 95 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 95 | 84 | 11 |
| 15 | — | — | 68 | 75 | 86 | 86 | 91 | 94 | 98 | 99 | 97 | 98 | 100 | 99 | 97 | 99 | 99 | 101 | 99 | 99 | 98 | 101 | 99 | 90 | — | 102 | 68 | 34 |
| 16 c | 87 | 84 | 86 | 87 | 84 | 84 | 85 | 92 | 97 | 98 | 96 | 97 | 98 | 98 | 99 | 99 | 99 | 92 | 98 | 98 | 100 | 102 | 102 | 98 | 94.2 | 104 | 83 | 21 |
| 17 | 91 | 82 | 74 | 87 | 95 | 100 | 96 | 97 | 101 | 102 | 101 | 99 | 101 | 99 | 100 | 100 | 101 | 101 | 99 | 100 | 102 | 104 | 102 | 96 | 97.1 | 105 | 74 | 31 |
| 18 c | 89 | 87 | 86 | 86 | 92 | 93 | 95 | 99 | 100 | 101 | 102 | 101 | 101 | 101 | 101 | 101 | 101 | 100 | 99 | 99 | 101 | 105 | 102 | 93 | 97.3 | 106 | 85 | 21 |
| 19 | 84 | 76 | 73 | 71 | 77 | 84 | 92 | 97 | 98 | 99 | 99 | 100 | 101 | 100 | 101 | 101 | 101 | 103 | 102 | 100 | 103 | 106 | 108 | 102 | 95.1 | 108 | 68 | 40 |
| 20 d | 94 | 88 | 84 | 81 | 85 | 81 | 92 | 95 | 99 | 102 | 102 | 105 | 109 | 109 | 108 | 106 | 106 | 107 | 106 | 107 | 109 | 102 | 98 | 92 | 98.6 | 110 | 80 | 30 |
| 21 | 86 | 80 | 79 | 81 | 81 | 86 | 89 | 94 | 97 | 96 | 96 | 99 | 98 | 96 | 101 | 105 | 107 | 105 | 103 | 101 | 105 | 105 | 104 | 101 | 95.6 | 107 | 80 | 27 |
| 22 | 96 | 88 | 81 | 85 | 83 | 92 | 93 | 98 | 100 | 101 | 101 | 99 | 101 | 99 | 101 | 101 | 102 | 100 | 99 | 99 | 102 | 100 | 100 | 98 | 96.6 | 102 | 80 | 22 |
| 23 | 88 | 82 | 75 | 79 | 79 | 82 | 88 | 92 | 93 | 95 | 95 | 97 | 97 | 98 | 99 | 97 | 98 | 98 | 98 | 99 | 99 | 100 | 101 | 98 | 92.8 | 102 | 74 | 28 |
| 24 c | 93 | 81 | 72 | 72 | 82 | 81 | 79 | 87 | 92 | 95 | 97 | 97 | 96 | 97 | 100 | 98 | 98 | 98 | 97 | 98 | 99 | 99 | 95 | 90 | 91.4 | 102 | 70 | 32 |
| 25 | 89 | 89 | 89 | 84 | 83 | 84 | 91 | 98 | 99 | 99 | 98 | 104 | 103 | 100 | 100 | 99 | 99 | 97 | 96 | 98 | 101 | 102 | 103 | 93 | 95.8 | 105 | 80 | 25 |
| 26 | 84 | 74 | 68 | 80 | 87 | 86 | 86 | 88 | 92 | 99 | 97 | 99 | 102 | 101 | 101 | 101 | 101 | 101 | 100 | 100 | 103 | 106 | 106 | 100 | 94.3 | 107 | 67 | 40 |
| 27 | 92 | 86 | 83 | 84 | 85 | 89 | 91 | 92 | 95 | 97 | 97 | 97 | 99 | 99 | 104 | 104 | 105 | 104 | 104 | 104 | 105 | 107 | 102 | 95 | 96.7 | 108 | 82 | 26 |
| 28 d | 91 | 82 | 80 | 84 | 86 | 91 | 93 | 98 | 99 | 99 | 99 | 102 | 103 | 103 | 104 | 103 | 104 | 103 | 104 | 106 | 105 | 105 | 103 | 98 | 97.7 | 108 | 80 | 28 |
| 29 | 85 | 87 | 92 | 91 | 89 | 93 | 96 | 101 | 99 | 100 | 102 | 102 | 103 | 98 | 103 | 104 | 104 | 105 | 105 | 104 | 105 | 105 | 102 | 99 | 98.9 | 105 | 82 | 23 |
| 30 | 91 | 90 | 92 | 99 | 96 | 95 | 98 | 98 | 100 | 101 | 100 | 102 | 105 | 105 | 105 | 106 | 106 | 105 | 104 | 104 | 104 | 108 | 108 | 102 | 101.0 | 109 | 89 | 20 |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| mean | 88.4 | 83.1 | 81.4 | 84.1 | 86.7 | 89.7 | 92.4 | 95.6 | 97.8 | 98.6 | 98.6 | 99.5 | 100.7 | 99.9 | 100.7 | 100.7 | 101.1 | 100.6 | 100.6 | 100.7 | 102.1 | 103.2 | 101.3 | 94.8 | 95.9 | — | — | — |
| 〃 c | 91.2<br>88.0 | 84.8<br>83.4 | 82.4 | 84.4 | 88.4 | 89.8 | 91.2 | 95.8 | 97.8 | 98.2 | 97.4 | 97.2 | 98.8 | 98.2 | 99.4 | 99.0 | 98.8 | 97.4 | 99.2 | 99.4 | 101.4 | 103.2 | 100.6 | 94.4<br>92.6 | 95.3 | — | — | — |
| 〃 d | 90.2<br>86.0 | 83.0<br>83.2 | 78.5 | 76.0 | 79.7 | 87.0 | 93.5 | 96.5 | 98.2 | 100.2 | 100.2 | 101.7 | 103.2 | 104.2 | 103.5 | 103.2 | 103.0 | 103.5 | 102.5 | 102.7 | 102.7 | 102.0 | 100.0 | 96.2<br>93.2 | 96.2 | — | — | — |

Table 40. Vertical Intensity 33900γ+.....γ July 1933.

| G.M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 95 | 94 | 87 | 87 | 88 | 92 | 92 | 93 | 96 | 99 | 102 | 100 | 101 | 102 | 104 | 103 | 104 | 103 | 103 | 102 | 102 | 103 | 100 | 96 | 97.8 | 104 | 86 | 18 |
| 2 | 94 | 90 | 85 | 87 | 82 | 84 | 85 | 96 | 100 | 100 | 100 | 100 | 101 | 101 | 101 | 101 | — | — | — | — | — | — | — | — | — | 101 | 82 | 19 |
| 3 | — | 91 | 91 | 92 | 90 | 87 | 88 | 90 | 94 | 96 | 97 | 99 | 99 | 100 | 102 | 102 | 101 | 102 | 100 | 99 | 100 | 102 | 105 | 102 | — | 105 | 85 | 20 |
| 4 | 96 | 87 | 84 | 78 | 81 | 90 | 97 | 100 | 103 | 102 | 103 | 104 | 102 | 99 | 99 | 100 | 100 | 102 | 102 | 102 | 102 | 105 | 102 | 97 | 97.4 | 106 | 78 | 28 |
| 5 | 91 | 89 | 87 | 91 | 91 | 93 | 93 | 99 | 102 | 102 | 102 | 102 | 102 | 105 | 104 | 103 | 102 | 100 | 100 | 102 | 103 | 105 | 100 | 93 | 98.4 | 105 | 87 | 18 |
| 6 | 90 | 91 | 93 | 91 | 87 | 94 | 100 | 102 | 102 | 102 | 99 | 97 | 102 | 105 | 103 | 101 | 100 | 100 | 100 | 101 | 102 | 106 | 105 | 99 | 98.8 | 107 | 86 | 21 |
| 7 | 94 | 91 | 81 | 81 | 82 | 91 | 97 | 100 | 101 | 98 | 99 | 100 | 100 | 101 | 99 | 102 | 102 | 102 | 102 | 100 | 100 | 103 | 99 | 95 | 96.7 | 103 | 81 | 22 |
| 8 | 91 | 89 | 82 | 83 | 83 | 89 | 91 | 93 | 100 | 100 | 99 | 99 | 102 | 102 | 101 | 100 | 102 | 103 | 100 | 101 | 102 | 109 | 108 | 93 | 96.8 | 110 | 73 | 37 |
| 9 d | 73 | 69 | 69 | 75 | 84 | 88 | 96 | 97 | 94 | 100 | 103 | 104 | 105 | 107 | 105 | 105 | 105 | 105 | 106 | 106 | 104 | 103 | 109 | 106 | 96.6 | 109 | 66 | 43 |
| 10 | 97 | 85 | 73 | 71 | 70 | 69 | 79 | 95 | 104 | 106 | 101 | 101 | 105 | 105 | 106 | 105 | 105 | 105 | 104 | 103 | 104 | 104 | 101 | 100 | 95.8 | 107 | 69 | 38 |
| 11 | 96 | 89 | 84 | 77 | 74 | 74 | 82 | 91 | 99 | 101 | 103 | 103 | 107 | 107 | 107 | 107 | 105 | 104 | 102 | 102 | 104 | 107 | 103 | 102 | 97.3 | 109 | 73 | 36 |
| 12 | 89 | 86 | 83 | 80 | 80 | 82 | 91 | 98 | 101 | 101 | 101 | 103 | 104 | 104 | 105 | 102 | 103 | 102 | 101 | 101 | 103 | 107 | 107 | 102 | 97.3 | 108 | 79 | 29 |
| 13 c | 95 | 87 | 84 | 87 | 83 | 89 | 98 | 104 | 104 | 104 | 104 | 102 | 104 | 105 | 103 | 102 | 103 | 102 | 102 | 102 | 104 | 107 | 109 | 105 | 99.5 | 110 | 82 | 28 |
| 14 c | 96 | 83 | 72 | 77 | 83 | 86 | 89 | 94 | 99 | 101 | 99 | 101 | 103 | 103 | 103 | 102 | 103 | 103 | 103 | 103 | 103 | 107 | 105 | 99 | 96.5 | 107 | 72 | 35 |
| 15 c | 92 | 84 | 77 | 81 | 83 | 85 | 88 | 100 | 102 | 102 | 99 | 101 | 102 | 104 | 106 | 106 | 106 | 104 | 106 | 106 | 106 | 109 | 107 | 101 | 98.2 | 109 | 77 | 32 |
| 16 | 97 | 86 | 85 | 90 | 90 | 90 | 100 | 104 | 104 | 105 | 103 | 103 | 105 | 105 | 104 | 106 | 106 | 106 | 106 | 106 | 106 | 105 | 104 | 100 | 100.6 | 107 | 85 | 22 |
| 17 d | 91 | 85 | 79 | 84 | 100 | 103 | 100 | 102 | 103 | 102 | 103 | 103 | 104 | 103 | 103 | 107 | 110 | 109 | 109 | 110 | 112 | 113 | 109 | 101 | 101.9 | 114 | 78 | 36 |
| 18 | 94 | 82 | 81 | 95 | 94 | 95 | 100 | 103 | 104 | 103 | 103 | 105 | 105 | 106 | 106 | 108 | 109 | 109 | 106 | 108 | 109 | 112 | 109 | 104 | 102.1 | 112 | 79 | 33 |
| 19 | 100 | 95 | 92 | 97 | 101 | 96 | 100 | 106 | 107 | 106 | 104 | 103 | 106 | 107 | 106 | 106 | 107 | 106 | 106 | 106 | 107 | 109 | 106 | 100 | 103.3 | 109 | 90 | 19 |
| 20 | 97 | 88 | 85 | 86 | 86 | 92 | 99 | 104 | 106 | 104 | 101 | 104 | 107 | 106 | 106 | 107 | 108 | 108 | 107 | 107 | 108 | 110 | 110 | 107 | 101.8 | 111 | 85 | 26 |
| 21 c | 105 | 95 | 95 | 92 | 98 | 102 | 107 | 108 | 108 | 108 | 105 | 106 | 108 | 108 | 108 | 109 | 109 | 109 | 109 | 109 | 108 | 109 | 111 | 105 | 105.5 | 113 | 92 | 21 |
| 22 | 103 | 94 | 95 | 92 | 94 | 103 | 105 | 103 | 102 | 103 | 106 | 105 | 106 | 106 | 106 | 108 | 109 | 109 | 108 | 109 | 110 | 110 | 100 | 93 | 103.3 | 112 | 85 | 27 |
| 23 d | 85 | 82 | 84 | 93 | 98 | 102 | 109 | 113 | 111 | 110 | 107 | 106 | 103 | 108 | 111 | 106 | 111 | 115 | 112 | 112 | 116 | 114 | 114 | 106 | 106.3 | 118 | 81 | 37 |
| 24 d | 94 | 94 | 101 | 100 | 95 | 106 | 112 | 111 | 105 | 100 | 109 | 111 | 112 | 112 | 111 | 115 | 117 | 112 | 111 | 111 | 113 | 111 | 105 | 106 | 107.2 | 118 | 92 | 26 |
| 25 | 100 | 91 | 87 | 93 | 97 | 102 | 102 | 103 | 114 | 112 | 110 | 109 | 110 | 111 | 110 | 110 | 111 | 110 | 105 | 111 | 112 | 115 | 112 | 102 | 106.0 | 116 | 87 | 29 |
| 26 | 97 | 99 | 94 | 93 | 97 | 102 | 111 | 111 | 107 | 106 | 108 | 108 | 109 | 111 | 110 | 108 | 108 | 109 | 111 | 111 | 112 | 114 | 112 | 106 | 106.4 | 114 | 93 | 21 |
| 27 d | 100 | 99 | 102 | 98 | 99 | 100 | 105 | 109 | 109 | 108 | 105 | 103 | 112 | 111 | 112 | 113 | 113 | 113 | 113 | 113 | 114 | 118 | 113 | 101 | 107.8 | 119 | 91 | 28 |
| 28 | 99 | 86 | 81 | 90 | 95 | 101 | 106 | 109 | 113 | 114 | 112 | 112 | 112 | 114 | 111 | 112 | 112 | 113 | 113 | 113 | 113 | 114 | 114 | 109 | 107.0 | 115 | 81 | 34 |
| 29 | 103 | 91 | 79 | 87 | 91 | 95 | 99 | 105 | 110 | 110 | 109 | 109 | 107 | 108 | 105 | 108 | 111 | 111 | 111 | 111 | 112 | 114 | 114 | 108 | 104.5 | 114 | 78 | 36 |
| 30 c | 100 | 95 | 93 | 96 | 94 | 96 | 101 | 105 | 109 | 108 | 106 | 106 | 107 | 109 | 109 | 109 | 108 | 109 | 111 | 111 | 111 | 111 | 112 | 111 | 105.3 | 113 | 92 | 21 |
| 31 | 106 | 100 | 90 | 90 | 90 | 96 | 103 | 109 | 109 | 107 | 107 | 108 | 111 | 112 | 113 | 110 | 109 | 110 | 111 | 112 | 112 | 115 | 114 | 112 | 106.5 | 115 | 90 | 25 |
| mean | 95.4 | 89.2 | 85.7 | 87.6 | 89.3 | 93.0 | 98.0 | 102.2 | 104.1 | 104.0 | 103.6 | 104.1 | 105.4 | 106.2 | 105.9 | 106.0 | 106.6 | 106.5 | 106.0 | 106.3 | 107.1 | 109.0 | 107.4 | 102.0 | 101.3 | — | — | — |
| 〃 c | 97.6<br>98.8 | 88.8<br>89.4 | 84.2 | 86.6 | 88.2 | 91.6 | 96.6 | 102.2 | 104.4 | 104.6 | 102.6 | 103.2 | 104.8 | 105.8 | 105.8 | 105.6 | 105.8 | 105.4 | 106.2 | 106.2 | 106.4 | 108.6 | 108.8 | 104.2<br>104.2 | 101.0 | — | — | — |
| 〃 d | 88.6<br>96.8 | 85.8<br>87.6 | 87.0 | 90.0 | 95.2 | 99.8 | 104.4 | 106.4 | 104.4 | 104.0 | 105.4 | 106.4 | 107.2 | 108.2 | 108.4 | 109.2 | 111.2 | 110.8 | 110.2 | 110.4 | 111.8 | 111.8 | 111.0 | 99.6<br>104.0 | 108.8 | — | — | — |

Table 41. Vertical Intensity 33900γ+.....γ August 1938.

| G M.T. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Mean | Max. | Min. | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 c | 102 | 93 | 91 | 89 | 89 | 95 | 101 | 108 | 107 | 107 | 106 | 107 | 107 | 107 | 107 | 107 | 107 | 108 | 107 | 107 | 107 | 109 | 109 | 106 | 103.5 | 110 | 88 | 22 |
| 2 | 101 | 89 | 82 | 85 | 94 | 101 | 106 | 106 | 107 | 106 | 106 | 105 | 107 | 108 | 110 | 110 | 109 | 110 | 110 | 110 | 110 | 111 | 111 | 107 | 104.2 | 113 | 80 | 33 |
| 3 | 107 | 103 | 98 | 94 | 89 | 90 | 100 | 110 | 111 | 107 | 107 | 107 | 107 | 108 | 108 | 108 | 110 | 108 | 109 | 108 | 108 | 111 | 111 | 104 | 105.1 | 112 | 89 | 23 |
| 4 | 104 | 98 | 98 | 105 | 97 | 93 | 101 | 107 | 107 | 105 | 105 | 107 | 108 | 108 | 108 | 108 | 108 | 107 | 107 | 108 | 108 | 114 | 113 | 105 | 105.4 | 115 | 93 | 22 |
| 5 d | 102 | 93 | 92 | 96 | 98 | 98 | 103 | 104 | 104 | 102 | 107 | 116 | 116 | 110 | 107 | 107 | 125 | 127 | 117 | 119 | 111 | 114 | 107 | 102 | 107.4 | 129 | 92 | 37 |
| 6 d | 93 | 92 | 96 | 91 | 109 | 114 | 119 | 123 | 122 | 117 | 116 | 117 | 115 | 118 | 113 | 114 | 113 | 115 | 115 | 115 | 115 | 119 | 116 | 109 | 111.9 | 123 | 89 | 34 |
| 7 | 104 | 96 | 92 | 89 | 93 | 100 | 112 | 118 | 115 | 97 | 109 | 110 | 110 | 113 | 113 | 113 | 113 | 114 | 116 | 113 | 113 | 116 | 114 | 107 | 107.9 | 119 | 88 | 31 |
| 8 | 95 | 86 | 89 | 89 | 90 | 102 | 107 | 110 | 110 | 110 | 109 | 110 | 111 | 113 | 113 | 111 | 113 | 113 | 113 | 110 | 113 | 115 | 113 | 107 | 106.3 | 115 | 86 | 29 |
| 9 c | 103 | 98 | 94 | 92 | 95 | 102 | 107 | 112 | 111 | 111 | 111 | 111 | 111 | 112 | 110 | 112 | 112 | 112 | 113 | 115 | 115 | 118 | 116 | 112 | 108.6 | — | — | — |
| 10 c | 103 | 94 | 88 | 89 | 90 | 96 | (102) | (107) | 108 | 110 | 111 | 113 | 113 | 114 | 110 | 111 | 113 | 114 | 113 | 113 | 114 | 117 | 117 | 111 | 107.2 | — | — | — |
| 11 c | 103 | 98 | 90 | 84 | 84 | 91 | 99 | 106 | 113 | 113 | 112 | 113 | 111 | 112 | 113 | 115 | 114 | 114 | 113 | 112 | 112 | 113 | 115 | 110 | 106.6 | 115 | 84 | 31 |
| 12 | 103 | 85 | 82 | 82 | 83 | 87 | 98 | 106 | 109 | 109 | 109 | 110 | 112 | 112 | 112 | 113 | 113 | 112 | 112 | 113 | 113 | 115 | 112 | 108 | 104.6 | 115 | 80 | 35 |
| 13 d | 97 | 89 | 85 | 93 | 97 | 99 | 104 | 113 | 112 | 109 | 104 | 102 | 106 | 113 | 115 | 119 | 119 | 115 | 115 | 118 | 118 | 116 | 115 | 100 | 107.2 | 121 | 85 | 36 |
| 14 | 93 | 86 | 82 | 88 | 98 | 103 | 106 | 110 | 113 | 113 | 115 | 115 | 115 | 113 | 114 | 110 | 113 | 116 | 115 | 116 | 116 | 116 | 113 | 109 | 107.8 | 118 | 80 | 38 |
| 15 | 100 | 93 | 89 | 93 | 92 | 96 | 103 | 111 | 113 | 112 | 112 | 112 | 113 | 115 | 117 | 117 | 119 | 119 | 118 | 119 | 119 | 120 | 116 | 108 | 109.4 | — | — | — |
| 16 | 103 | 104 | 102 | 104 | 108 | 118 | 124 | 122 | 122 | 119 | 117 | 119 | 120 | 119 | 117 | 117 | 117 | 117 | 119 | 119 | 119 | 122 | 117 | 112 | 115.7 | — | — | — |
| 17 | 102 | 95 | 91 | 90 | 95 | 100 | 112 | 111 | 108 | 110 | 115 | 117 | 116 | 116 | 114 | 115 | 117 | 120 | 121 | 121 | 118 | 123 | 117 | 110 | 110.6 | — | — | — |
| 18 d | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19 | 106 | 99 | 102 | 106 | 111 | 117 | 115 | 113 | 117 | 115 | 115 | 118 | 123 | 116 | 120 | 118 | 118 | 118 | 118 | 117 | 119 | 120 | 117 | 109 | 114.5 | 123 | 95 | 28 |
| 20 | 95 | 86 | 85 | 90 | 95 | 102 | 105 | 113 | 113 | 112 | 112 | 114 | 112 | 117 | 115 | 117 | — | — | — | — | 117 | 119 | 114 | 113 | — | — | — | — |
| 21 d | 108 | 106 | 105 | 105 | 105 | 111 | 114 | 119 | 118 | 115 | 112 | 117 | 116 | 118 | 117 | 119 | 120 | 121 | 119 | 119 | 118 | 121 | 116 | 113 | 114.7 | 124 | 103 | 21 |
| 22 | 107 | 103 | 106 | 107 | 110 | 113 | 115 | 114 | 112 | 114 | 114 | 116 | 117 | 117 | 116 | 117 | 117 | 118 | 118 | 117 | 117 | 118 | 114 | 107 | 113.5 | 119 | 102 | 17 |
| 23 | 99 | — | — | — | — | — | — | — | 105 | 107 | 109 | 113 | 114 | 115 | 115 | 116 | 119 | 118 | 119 | 120 | 119 | 121 | 115 | 109 | — | — | — | — |
| 24 | 100 | 95 | 92 | 96 | 103 | 107 | 112 | 117 | 114 | 109 | 111 | 117 | 118 | 118 | 119 | 121 | 120 | 122 | 122 | 120 | 119 | 119 | 116 | 109 | 112.8 | 122 | 91 | 31 |
| 25 | 100 | 95 | 93 | 96 | 98 | 101 | 110 | 115 | 118 | 117 | 115 | 117 | 119 | 121 | 117 | 119 | 119 | 119 | 120 | 122 | 121 | 123 | 122 | 114 | 113.0 | 124 | 93 | 31 |
| 26 | 104 | 92 | 90 | 99 | 109 | 114 | 120 | 116 | 115 | 114 | 114 | 115 | 115 | 118 | 118 | 119 | 119 | 119 | 120 | 119 | 118 | 122 | 119 | 115 | 113.5 | 122 | 89 | 33 |
| 27 | 105 | 97 | 94 | 101 | 101 | 110 | 115 | 117 | 116 | 113 | 115 | 117 | 117 | 117 | 116 | 116 | 116 | 117 | 118 | 119 | 119 | 120 | 118 | 110 | 112.7 | 120 | 93 | 27 |
| 28 | 105 | 94 | 92 | 92 | 99 | 105 | 110 | 111 | 114 | 114 | 113 | 114 | 115 | 114 | 115 | 117 | 115 | 116 | 116 | 116 | 115 | 116 | 115 | 112 | 110.2 | 118 | 90 | 28 |
| 29 | 99 | 97 | 100 | 98 | 100 | 106 | 106 | 109 | 112 | 112 | 114 | 116 | 114 | 114 | 115 | 116 | 117 | 117 | 117 | 116 | 117 | 118 | 113 | 112 | 110.6 | 118 | 97 | 21 |
| 30 | 109 | 105 | 106 | 106 | 101 | 106 | 110 | 112 | 113 | 113 | 113 | 113 | 113 | 115 | 116 | 116 | 115 | 115 | 115 | 116 | 116 | 116 | 116 | 116 | 112.2 | 117 | 98 | 19 |
| 31 c | 114 | 106 | 103 | 102 | 105 | 108 | 108 | 109 | 110 | 109 | 111 | 112 | 113 | 114 | 114 | 115 | 115 | 116 | 116 | 115 | 116 | 118 | 112 | 111 | 111.3 | 116 | 102 | 14 |
| mean | 102.6 | 95.8 | 93.7 | 95.0 | 97.9 | 102.9 | 108.6 | 112.0 | 112.6 | 110.8 | 111.4 | 113.0 | 113.5 | 114.0 | 113.7 | 114.3 | 115.2 | 115.6 | 115.4 | 115.5 | 115.2 | 117.2 | 114.6 | 109.1 | 109.6 | — | — | — |
| 〃 c | 105.0<br>102.5 | 97.8<br>91.5 | 93.2 | 91.2 | 92.6 | 98.4 | 103.4 | 108.4 | 109.8 | 110.0 | 110.2 | 111.2 | 111.0 | 111.8 | 110.8 | 112.0 | 112.2 | 112.8 | 112.4 | 112.4 | 112.8 | 115.0 | 113.8 | 111.6<br>110.0 | 107.4 | — | — | — |
| 〃 d | 100.0<br>99.2 | 95.0<br>94.2 | 94.5 | 96.2 | 102.2 | 105.5 | 110.0 | 114.7 | 114.0 | 110.7 | 109.7 | 113.0 | 113.2 | 114.7 | 113.0 | 114.7 | 119.2 | 119.5 | 116.5 | 117.7 | 115.5 | 117.5 | 113.5 | 107.0<br>106.0 | 110.3 | — | — | — |

(699)

Table 42.

## Character Figures

| Month/Day | 32 Aug. | Sep. | Oct. | Nov. | Dec. | 33 Jan. | Feb. | Mar. | April | May | June | July | Aug. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| 2 | — | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 3 | — | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 4 | — | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 5 | 0 | 1 | 0 | 0 | 0 | 0 | — | 0 | — | 1 | 0 | 0 | 2 |
| 6 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| 8 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 9 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 12 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 14 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 15 | 0 | 1 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 16 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 18 | 0 | 1 | — | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | — |
| 19 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 1 |
| 20 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 1 |
| 21 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| 22 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 23 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 |
| 24 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 |
| 25 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 27 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 28 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 29 | 2 | 1 | 0 | 0 | 0 | 0 | — | 0 | 0 | 1 | 0 | 0 | 0 |
| 30 | 2 | 0 | 1 | 0 | 0 | 0 | — | 0 | 2 | 1 | 0 | 0 | 0 |
| 31 | 1 | — | 0 | — | 0 | 0 | — | 0 | — | 1 | — | 0 | 0 |

Table 48.

## Numerical Character Numbers

$$\frac{R_B \cdot H + R_Z \cdot Z}{10000}$$

| Month/Day | 32 Aug. | Sep. | Oct. | Nov. | Dec. | 33 Jan. | Feb. | Mar. | April | May | June | July | Aug. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 339 | 251 | 197 | 338 | 175 | 172 | 153 | 147 | 168 | 578 | 234 | 94 | 169 |
| 2 | — | 259 | 283 | 169 | 143 | 174 | 245 | 152 | 178 | 356 | 193 | 123 | 202 |
| 3 | — | 249 | 177 | 168 | 143 | 144 | 192 | 174 | 249 | 193 | 197 | 203 | 157 |
| 4 | — | 207 | 244 | 175 | 139 | 121 | 208 | 159 | 231 | 195 | 181 | 177 | 139 |
| 5 | 278 | 272 | 222 | 165 | 111 | 151 | — | 133 | — | 139 | 120 | 162 | 419 |
| 6 | 211 | 529 | 173 | 147 | 156 | 283 | — | 173 | 192 | 223 | 130 | 193 | 357 |
| 7 | 142 | 208 | 176 | 120 | 91 | 138 | — | 119 | 196 | 245 | 152 | 163 | 258 |
| 8 | 200 | 340 | 149 | 128 | 276 | 162 | — | 174 | 181 | 180 | — | 323 | 239 |
| 9 | 252 | 214 | 189 | 102 | 270 | 139 | — | 166 | 266 | 160 | 167 | 322 | (204) |
| 10 | 152 | 152 | 148 | 142 | 129 | 129 | — | 219 | 208 | 211 | 192 | 224 | (223) |
| 11 | 220 | 135 | 150 | 145 | 112 | 196 | — | 242 | 209 | 169 | 200 | 277 | 203 |
| 12 | 254 | 134 | 153 | 216 | 153 | 128 | — | 157 | 170 | 172 | 216 | 176 | 226 |
| 13 | 297 | 160 | 182 | 155 | 196 | 127 | — | 164 | 223 | 277 | 327 | 186 | 385 |
| 14 | 225 | 266 | 219 | 287 | 382 | 138 | — | 179 | 233 | 227 | 128 | 214 | 201 |
| 15 | 254 | 218 | 629 | 219 | 192 | 388 | 197 | 161 | 198 | 207 | 223 | 173 | 207 |
| 16 | 195 | 200 | 260 | 304 | 251 | 163 | 131 | 166 | 239 | 153 | 136 | 179 | 183 |
| 17 | 224 | 276 | 173 | 205 | 247 | 164 | 169 | 179 | 298 | 190 | 208 | 308 | 296 |
| 18 | 240 | 238 | — | 151 | 195 | 128 | 185 | 328 | 194 | 310 | — | 277 | — |
| 19 | 286 | 258 | 164 | 172 | 164 | 302 | 390 | 262 | 253 | 152 | — | 148 | 271 |
| 20 | 274 | 252 | 238 | 178 | 141 | 246 | 174 | 360 | 260 | 201 | — | 199 | (204) |
| 21 | 331 | 142 | 283 | 114 | 105 | 129 | 258 | 291 | 224 | 190 | 204 | 181 | 240 |
| 22 | 297 | 305 | 134 | 122 | 101 | 227 | 226 | 236 | 249 | 277 | 154 | 179 | 146 |
| 23 | 198 | 365 | 349 | 133 | 155 | 245 | 239 | 277 | 196 | 228 | 167 | 311 | — |
| 24 | — | 220 | 217 | 127 | 100 | 206 | — | 262 | 142 | 206 | — | 362 | 204 |
| 25 | 222 | 295 | 202 | 234 | 198 | 154 | — | 247 | 199 | 220 | 236 | 161 | 260 |
| 26 | 182 | 167 | 123 | 131 | 97 | 142 | — | 243 | 133 | 204 | 257 | 191 | 318 |
| 27 | 361 | 297 | 255 | 129 | 180 | 157 | 226 | 344 | 156 | 227 | 272 | 265 | 181 |
| 28 | — | 172 | 137 | 223 | 175 | 162 | 160 | 235 | 134 | 268 | — | 235 | 197 |
| 29 | 258 | 245 | 170 | 208 | 113 | 146 | — | 297 | 172 | 211 | 192 | 256 | 144 |
| 30 | 321 | 190 | 302 | 133 | 97 | 162 | — | 204 | 324 | 361 | 126 | 173 | 142 |
| 31 | 206 | — | 182 | — | — | 168 | — | 235 | — | 172 | — | 183 | 153 |

Table 44. Numerical character Numbers $\frac{R_H \cdot H}{10000}$

| Month/Day | 32 Aug. | Sep. | Oct. | Nov. | Dec. | 33 Jan. | Feb. | Mar. | April | May | June | July | Aug. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120 | 159 | 145 | 256 | 106 | 120 | 93 | 44 | 78 | 445 | 132 | 53 | 93 |
| 2 | — | 141 | 219 | 106 | 78 | 111 | 137 | 64 | 80 | 233 | 101 | 57 | 92 |
| 3 | — | 117 | 106 | 97 | 87 | 85 | 129 | 89 | 180 | 136 | 90 | 136 | 79 |
| 4 | — | 86 | 182 | 92 | 80 | 72 | (120) | 82 | 144 | 123 | 72 | 82 | 63 |
| 5 | 173 | 172 | 159 | 91 | 44 | 87 | — | 41 | — | 77 | 53 | 101 | 291 |
| 6 | 100 | 385 | 107 | 86 | 110 | 217 | — | 77 | 113 | 174 | 50 | 120 | 242 |
| 7 | 73 | 132 | 96 | 72 | 57 | 85 | — | 40 | 122 | 186 | 64 | 88 | 156 |
| 8 | 93 | 245 | 72 | 70 | 223 | 92 | — | 63 | 70 | 108 | — | 198 | 140 |
| 9 | 180 | 144 | 129 | 48 | 210 | 99 | — | 70 | 166 | 88 | 109 | 180 | (122) |
| 10 | 73 | 106 | 95 | 92 | 93 | 65 | — | 108 | 121 | 106 | 119 | 96 | (132) |
| 11 | 115 | 81 | 93 | 76 | 64 | 136 | — | 127 | 116 | 84 | 113 | 154 | 90 |
| 12 | 153 | 91 | 114 | 163 | 97 | 55 | — | 61 | 85 | 92 | 130 | 79 | 105 |
| 13 | 206 | 93 | 106 | 89 | 143 | 62 | — | 90 | 141 | 157 | 189 | 91 | 262 |
| 14 | 127 | 185 | 180 | 201 | 298 | 97 | — | 83 | 141 | 166 | (89) | 99 | 73 |
| 15 | 165 | 123 | 512 | 162 | 134 | 314 | 137 | 91 | 114 | 143 | 106 | 66 | 108 |
| 16 | 90 | 144 | 168 | 204 | 182 | 122 | 77 | 71 | 158 | 118 | 64 | 106 | 109 |
| 17 | 148 | 188 | 128 | 128 | 182 | 77 | 104 | 92 | 194 | 136 | 106 | 183 | 179 |
| 18 | 137 | 165 | 47 | 85 | 144 | 64 | 108 | 174 | 102 | 232 | — | 166 | — |
| 19 | 172 | 163 | 97 | 105 | 134 | 224 | 304 | 150 | 150 | 91 | — | 84 | 176 |
| 20 | 156 | 160 | 168 | 99 | 105 | 184 | 139 | 244 | 176 | 84 | — | 113 | (88) |
| 21 | 186 | 87 | 197 | 54 | 72 | 79 | 165 | 175 | 167 | 123 | 112 | 114 | 170 |
| 22 | 193 | 221 | 93 | 60 | 75 | 157 | 164 | 153 | 157 | 190 | 79 | 86 | 89 |
| 23 | 113 | 255 | 278 | 90 | 104 | 175 | 164 | 184 | 119 | 132 | 69 | 185 | — |
| 24 | — | 170 | 166 | 65 | 58 | 134 | — | 150 | 100 | 138 | — | 271 | 101 |
| 25 | 136 | 204 | 125 | 182 | 145 | 84 | — | 144 | 105 | 79 | 155 | 64 | 159 |
| 26 | 99 | 117 | 56 | 88 | (78) | 99 | — | 147 | 67 | 62 | 128 | 119 | 207 |
| 27 | 270 | 214 | 182 | 70 | 106 | 111 | 119 | 222 | 93 | 143 | 189 | 176 | 89 |
| 28 | — | 107 | 78 | 168 | 114 | 126 | 84 | 148 | 66 | 128 | — | 118 | 99 |
| 29 | 169 | 194 | 83 | 127 | 67 | 96 | — | 152 | 99 | 158 | 114 | 128 | 72 |
| 30 | 230 | 137 | 212 | 92 | 64 | 108 | — | 124 | 238 | 240 | 59 | 101 | 77 |
| 31 | (135) | — | 119 | — | — | 79 | — | 138 | — | 88 | — | 101 | 97 |

Table 45. Numerical character Numbers $\frac{R_Z \cdot Z}{10000}$

| Month/Day | 32 Aug | Sep. | Oct. | Nov. | Dec. | 33 Jan. | Feb. | Mar. | April | May | June | July | Aug. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 219 | 92 | 52 | (82) | 69 | 52 | 60 | 103 | 95 | 133 | 102 | 94 | 76 |
| 2 | — | 118 | 64 | 63 | 65 | 63 | 108 | 88 | 98 | 123 | 92 | 123 | 110 |
| 3 | — | 132 | 71 | (71) | 56 | 59 | 63 | 85 | 69 | 57 | 107 | 203 | 78 |
| 4 | — | 121 | 62 | 83 | 59 | 49 | 88 | 77 | 87 | 72 | 100 | 177 | 76 |
| 5 | 105 | 100 | 63 | 74 | 67 | 64 | — | 92 | — | 62 | 67 | 162 | 123 |
| 6 | 111 | 144 | 66 | 61 | 46 | 66 | — | 96 | 79 | 49 | 80 | 193 | 115 |
| 7 | 69 | 76 | 80 | 48 | 34 | 53 | — | 79 | 74 | 59 | 88 | 163 | 102 |
| 8 | 107 | 95 | 77 | 58 | 53 | 70 | — | 111 | 111 | 72 | — | 323 | 99 |
| 9 | 72 | 70 | 60 | 54 | 60 | 40 | — | 96 | 100 | 72 | 58 | 322 | (81) |
| 10 | 79 | 46 | 53 | 50 | 36 | 64 | — | 111 | 87 | 105 | 73 | 224 | (91) |
| 11 | 105 | 54 | 57 | 69 | 48 | 60 | — | 115 | 93 | 85 | 87 | 277 | 113 |
| 12 | 101 | 43 | 39 | (58) | 56 | 73 | — | 76 | 85 | 80 | 86 | 176 | 121 |
| 13 | 91 | 67 | 76 | 66 | 53 | 65 | — | 74 | 82 | 120 | 138 | 186 | 123 |
| 14 | 98 | 81 | 69 | 86 | 84 | 41 | — | 96 | 92 | 61 | (39) | 214 | 128 |
| 15 | 89 | 95 | 117 | 57 | 58 | 74 | 60 | 70 | 84 | 64 | 117 | 173 | 99 |
| 16 | 105 | 56 | 92 | 100 | 69 | 41 | 54 | 95 | 81 | 40 | 72 | 170 | 74 |
| 17 | 76 | 88 | 45 | 77 | 65 | 87 | 65 | 87 | 104 | 54 | 102 | 208 | 117 |
| 18 | 103 | 73 | — | 66 | 51 | 64 | 77 | 154 | 92 | 78 | — | 277 | — |
| 19 | 114 | 95 | 67 | 67 | 30 | 78 | 86 | 112 | 103 | 61 | — | 148 | 95 |
| 20 | 118 | 92 | 70 | 74 | 36 | 62 | 35 | 116 | 84 | 117 | — | 199 | (116) |
| 21 | 145 | 55 | 86 | 60 | 33 | 50 | 93 | 116 | 57 | 67 | 92 | 181 | 70 |
| 22 | 104 | 84 | 41 | 62 | 26 | 70 | 62 | 83 | 92 | 87 | 75 | 179 | 57 |
| 23 | 85 | 110 | 71 | 43 | 51 | 70 | 75 | 93 | 77 | 96 | 98 | 311 | — |
| 24 | — | 60 | 51 | 62 | 42 | 72 | 53 | 112 | 42 | 68 | — | 362 | 103 |
| 25 | 86 | 91 | 77 | 52 | 53 | 70 | 59 | 103 | 94 | 151 | 81 | 161 | 101 |
| 26 | 83 | 50 | 67 | 43 | 24 | 43 | — | 96 | 66 | 142 | 134 | 191 | 111 |
| 27 | 91 | 83 | 73 | 59 | 74 | 46 | 107 | 122 | 63 | 84 | 83 | 265 | 92 |
| 28 | — | 66 | 59 | 55 | 61 | 36 | 76 | 87 | 68 | 140 | — | 235 | 98 |
| 29 | 89 | 51 | 87 | 81 | 46 | 50 | — | 145 | 73 | 53 | 78 | 256 | 72 |
| 30 | 91 | 53 | 90 | 41 | 33 | 54 | — | 80 | 86 | 121 | 67 | 173 | 65 |
| 31 | 71 | — | 63 | — | — | 80 | — | 97 | — | 84 | — | 183 | 56 |